

west virginia department of environmental protection

Office of Oil and Gas 601 57th Street, S.E. Charleston, WV 25304 (304) 926-0450 fax: (304) 926-0452

Harold D. Ward, Cabinet Secretary www.dep.wv.gov

Monday, November 4, 2024 WELL WORK PERMIT Horizontal 6A / New Drill

HG ENERGY II APPALACHIA, LLC 5260 DUPONT ROAD

PARKERSBURG, WV 26101

Re: Permit approval for Van Wie 1221 S-7H 47-041-05766-00-00

This well work permit is evidence of permission granted to perform the specified well work at the location described on the attached pages and located on the attached plat, subject to the provisions of Chapter 22 of the West Virginia Code of 1931, as amended, and all rules and regulations promulgated thereunder, and to any additional specific conditions and provisions outlined in the pages attached hereto. Notification shall be given by the operator to the Oil and Gas Inspector at least 24 hours prior to the construction of roads, locations, and/or pits for any permitted work. In addition, the well operator shall notify the same inspector 24 hours before any actual well work is commenced and prior to running and cementing casing. Spills or emergency discharges must be promptly reported by the operator to 1-800-642-3074 and to the Oil and Gas Inspector.

Please be advised that form WR-35, Well Operators Report of Well Work is to be submitted to this office within 90 days of completion of permitted well work, as should form WR-34 Discharge Monitoring Report within 30 days of discharge of pits, if applicable. Failure to abide by all statutory and regulatory provisions governing all duties and operations hereunder may result in suspension or revocation of this permit and, in addition, may result in civil and/or criminal penalties being imposed upon the operators.

Per 35 CSR 4-5.2.g this permit will expire in two (2) years from the issue date unless permitted well work is commenced. If there are any questions, please feel free to contact me at (304) 926-0450.

James A Martin Chie

Operator's Well Number: Van Wie 1221 S-7H Farm Name: HG Energy II Appalachia, LLC U.S. WELL NUMBER: 47-041-05766-00-00 Horizontal 6A New Drill Date Issued: 11/4/2024

Promoting a healthy environment.

PERMIT CONDITIONS

West Virginia Code § 22-6A-8(d) allows the Office of Oil and Gas to place specific conditions upon this permit. Permit conditions have the same effect as law. <u>Failure to adhere to the specified permit conditions may result in enforcement action.</u>

CONDITIONS

- 1. This proposed activity may require permit coverage from the United States Army Corps of Engineers (USACE). Through this permit, you are hereby being advised to consult with USACE regarding this proposed activity.
- 2. If the operator encounters an unanticipated void, or an anticipated void at an unanticipated depth, the operator shall notify the inspector within 24 hours. Modifications to the casing program may be necessary to comply with W. Va. Code § 22-6A-5a (12), which requires drilling to a minimum depth of thirty feet below the bottom of the void, and installing a minimum of twenty (20) feet of casing. Under no circumstance should the operator drill more than one hundred (100) feet below the bottom of the void or install less than twenty (20) feet of casing below the bottom of the void.
- 3. When compacting fills, each lift before compaction shall not be more than 12 inches in height, and the moisture content of the fill material shall be within limits as determined by the Standard Proctor Density test of the actual soils used in specific engineered fill, ASTM D698, Standard Test Method for Laboratory Compaction Characteristics of Soil Using Standard Effort, to achieve 95 % compaction of the optimum density. Each lift shall be tested for compaction, with a minimum of two tests per lift per acre of fill. All test results shall be maintained on site and available for review.
- 4. Operator shall install signage per § 22-6A-8g (6) (B) at all source water locations included in their approved water management plan within 24 hours of water management plan activation.
- 5. Oil and gas water supply wells will be registered with the Office of Oil and Gas and all such wells will be constructed and plugged in accordance with the standards of the Bureau for Public Health set forth in its Legislative rule entitled *Water Well Regulations*, 64 C.S.R. 19. Operator is to contact the Bureau of Public Health regarding permit requirements. In lieu of plugging, the operator may transfer the well to the surface owner upon agreement of the parties. All drinking water wells within fifteen hundred feet of the water supply well shall be flow tested by the operator upon request of the drinking well owner prior to operating the water supply well.
- 6. Pursuant to the requirements pertaining to the sampling of domestic water supply wells/springs the operator shall, no later than thirty (30) days after receipt of analytical data provide a written copy to the Chief and any of the users who may have requested such analyses.
- 7. Notification shall be given by the operator to the Oil and Gas Inspector at least 24 hours prior to the construction of roads, locations and/or pits for any permitted work. In addition, the well operator shall notify the same inspector 24 hours before any actual well work is commenced and prior to running and cementing casing. Also, 24 hours prior to the initiation of the completion process the operator shall notify the Chief or his designee.
- 8. During the completion process the operator shall monitor annular pressures and report any anomaly noticed to the chief or his designee immediately.
- 9. If any explosion or other accident causing loss of life or serious personal injury occurs in or about a well or well work on a well, the well operator or its contractor shall give notice, stating the particulars of the explosion or accident, to the oil and gas inspector and the Chief, within 24 hours of said accident.
- 10. During the casing and cementing process, in the event cement does not return to the surface, the oil and gas inspector shall be notified within 24 hours.
- 11. The operator shall provide to the Office of Oil and Gas the dates of each of the following within 30 days of their occurrence: completion of construction of the well pad, commencement of drilling, cessation of drilling, completion of any other permitted well work, and completion of the well. Such notice shall be provided by sending an email to DEPOOGNotify@wv.gov.



API NO. 47-OPERATOR WELL NO. Van Wie 1221 S-7H

Well Pad Name: Van Wie 1221

<u>STATE OF WEST VIRGINIA</u> <u>DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS</u> <u>WELL WORK PERMIT APPLICATION</u>

1) Well Opera	tor: HG Energy	II Appalachia, I		Lewis	Freeman Vadis 7.5'
			Operator ID	County	District Quadrangle
2) Operator's	Well Number: Va	n Wie 1221 S-7	H / Well P	ad Name: Van	
3) Farm Name	Surface Owner:	HG Energy II Appalach	ia, LLC Public Ro	bad Access: CF	R 11/3 aka Straight Run Road
4) Elevation, c	urrent ground:	1256' El	evation, propose	d post-construct	ion: 1251.7'
5) Well Type	(a) Gas <u>x</u> Other	Oil		derground Stora	
		llow <u>x</u> izontal x	Deep		
6) Existing Pac	d: Yes or No No				
7) Proposed Ta	arget Formation(s) 7002' / 7049' and), Depth(s), Antici 47' in thickness. A	pated Thickness nticipated pressu	— and Expected P re at 4314#.	ressure(s):
	otal Vertical Deptl	0.000	1		Que 11 1012
9) Formation a	t Total Vertical D	epth: Marcellus	;		DET 1 8 2024
10) Proposed T	Fotal Measured De	opth: 18,748'	1		vii
11) Proposed H	Iorizontal Leg Lei	ngth: 10,973'	1		Envir
12) Approxima	ate Fresh Water St	rata Depths:	150', 181', 826		
13) Method to	Determine Fresh	Water Depths: N	earest offset w	ell data, (47-01	7-02906, 2480, 4233,)
14) Approxima	ate Saltwater Dept				
15) Approxima	ite Coal Seam Dep	oths: 220' - 225', 428	'-438', 495'-501' (Surfi	ace casing is being e	xtended to cover the coal in the DTI Field)
16) Approxima	te Depth to Possil	ole Void (coal mir	ne, karst, other):	None	
	osed well location ing or adjacent to		ns Yes	No	X
(a) If Yes, pro	ovide Mine Info:	Name:			
		Depth:			
		Seam:			
		Owner:			

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WW-6B (04/15)

4704105766 API NO. 47-____

OPERATOR WELL NO. Van Wie 1221 S-7H Well Pad Name: Van Wie 1221

18)

CASING AND TUBING PROGRAM

TYPE	<u>Size</u> (in)	<u>New</u> <u>or</u> <u>Used</u>	Grade	<u>Weight per ft.</u> <u>(lb/ft)</u>	<u>FOOTAGE: For</u> <u>Drilling (ft)</u>	INTERVALS: Left in Well (ft)	<u>CEMENT:</u> <u>Fill-up</u> (Cu. Ft.)/CTS
Conductor	30"	New	LS	157.5	120'	120' /	CTS
Fresh Water/Coal	20"	NEW	J-55	94	1225'	1225' /	40% Excess, CTS
Intermediate 1	13 3/8"	NEW	J-55 BTC	68	2760'	2760'	40% Excess, CTS
Intermediate 2	9 5/8"	NEW	N/L-80 BTC	40	5850'	5850'	40% Excess Tail, CTS
Production	5 1/2"	NEW	P-110 HP	23	18748'	18748'	20% Excess Tail, CTS
Tubing							
Liners							

Kenneth Greynolds by: cxl = Kenneth Greynolds email = Kenneth.L. Greynolds@ww.gov C = AD O = WDEP OU = Oil and Gas Date: 2024.09.23 13:38:50-04:00'

TYPE	<u>Size (in)</u>	<u>Wellbore</u> <u>Diameter (in)</u>	<u>Wall</u> <u>Thickness</u> <u>(in)</u>	Burst Pressure (psi)	Anticipated Max. Internal Pressure (psi)	<u>Cement</u> <u>Type</u>	<u>Cement</u> <u>Yield</u> (cu. ft./k)
Conductor	30"	30"	.500				Drilled In
Fresh Water/Coal	20"	26"	.438	2110	1200	Type 1, Class A	40 % excess yield = 1.20. CTS
Intermediate 1	13 3/8"	17 1/2"	.480	3450		Type 1/Class A	Lead 40% excess, Tail 0% excess
Intermediate 2	9 5/8"	12 1/4"	.395	5750	1	Type 1/Class A	Lead 40% excess, Tal 0% Excess 153
Production	5 1/2"	8 1/2"	.415	16240 /	12500	Type 1/ClassA	20% oxcoss yield = 1.19, tail yield 1.94 (
Tubing				1			Đ
Liners						Offica	ECEIVED A OI and Cas

OCT 0 3 2024

PACKERS

Kind:		
Sizes:		
Depths Set:		

WW-6B (04/15)

WW-6B (10/14)

4704105766 API NO. 47-____

OPERATOR WELL NO. Van Wie 1221 S-7H Well Pad Name: Van Wie 1221

19) Describe proposed well work, including the drilling and plugging back of any pilot hole:

Drill the vertical depth to the Marcellus at an estimated total vertical depth of approximately 7035'. Drill horizontal leg to estimated 10,973' lateral length, 18,748' TMD. Hydraulically fracture, stimulate and be capable of producing from the Marcellus Formation. Should we encounter an unanticipated void in the coal, we will install a minimum of 20' of casing below the void but not more than 100' below the void, set a basket and grout to surface. We plan to run an ACP above the Gantz/Dominion Storage interval to aid in sealing off and isolating the storage interval.

20) Describe fracturing/stimulating methods in detail, including anticipated max pressure and max rate:

The stimulation will be completed with multiple stages divided over the lateral length of the well. Stage spacing is dependent upon engineering design. Slickwater fracturing technique will be utilized on each stage using sand, water, and chemicals. See attached list. Maximum pressure not to exceed 12,500 psi.

21) Total Area to be disturbed, including roads, stockpile area, pits, etc., (acres): 24.95 acres

22) Area to be disturbed for well pad only, less access road (acres): 9.53 acres

23) Describe centralizer placement for each casing string:

	1.14//
No centralizzors will be used with conductor casing.	structure will shill Goe
Freshwater/Coal - centralized every 3 joints to surface.	- Map
Intermediate 1 - Bow Spring on avery joint, will also be running ACP for isolating storage zone	DET D Q DOD
Intermediate 2 - Bow Spring on Trist 2 joints then every third joint to 100 from surface.	001 0 3 2024
Production - Vertical - Run 1 spiral centralizer every 8 joints from the top of the curve to surface, Curve - Run 1 spiral centralizer every 1 joints from the fat 5.5" leng joint to the top of the curve	A0
	Environment

24) Describe all cement additives associated with each cement type:

Conductor -N/A, Casing to be drilled in w/ Dual Rotary Rig.

Fresh Water/Coal - "15.6 ppg PNE-1 + 3% bwoc CaCl40% ExcessYield=1.20. / CTS

Intermediate 1 - "" Storage Sting "" CTS "" 15.4 ppg Leat - 19ad 1.24 - D8aB Surface Set: 100 b / sack (Mix of Class A and Gypsum to meet Dominion Requirements)345 - 0.5% BWOB Fluid Loss / D013 - 0.75% BWOB Retarder / 047 - 0.02 gal / sack VBWOB Anti Foom / 0202 - 0.15% BWOB Dispersant / D051 - 5.05 gal / sack Retarder - 0% Excess¹

Intermediate 2 - "Lead; 15.4 ppg PNE-1 + 2,5% bwoc CaCl40% Excess / Tail: 15.9 ppg PNE-1 + 2,5% bwoc CaCl zero% Excess. CTS"

Production - "Lead: 14.5 ppg POZ-PNE-1 + 0.3% bwoc R3 + 1% bwoc EC1 + 0.75 gal/sk FP13L + 0.3% bwoc MPA170Tail: 14.8 ppg PNE-1 + 0.35% bwoc R3 + 0.75 gal/sk FP13L + 50% bwoc ASCA1 + 0.5% bwoc MPA17020% ExcessLead Yield=1.19Tail Yield=1.94CTS"

25) Proposed borehole conditioning procedures:

Conductor - Ensure the hole is clean at TD.

Fresh Water/Coal - Once casing is at setting depth, circulate a minimum of one hole volume with Fresh Water prior to pumping cement.

Intermediate 1 - Once casing is at setting depth, Circulate and condition at TD. Circulate a minimum of one hole volume prior to pumping cement

Intermediate 2 - Once easing is at setting depth, Circulate and condition mud at TD. Circulate a minimum of one hole volume prior to pumping periornt.

Production - Once on bottom/TD with casing, circulate at max allowable pump rate for at least 2x bottoms up, or until returns and pump pressures indicate the hole is clean. Circulate a minimum of one hole volume prior to pumping coment.

*Note: Attach additional sheets as needed.



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HG Energy II Appalachia, LLC Van Wie 1221 Well Pad (N-1H to S-12H) Cement Additives

Material Name	Material Type		CAS #		
		Premium NE-1 is a	Ingredient name	%	CAS number
		portland cement with	Portland cement	90 - 100	65997-15-1
		early compressive	Calcium oxide Magnesium oxide	1-5	1305-78-8
Premium NE-1	Portland Cement	strength properties.	Crystalline silica: Quartz (SiO2)	1 - 5 0.1 - 1	1309-48-4 14808-60-7
CONTRACT.	Fordand Cement			0.1.1	14000-0047
		Commonly called gel, it is			
		a clay material used as a	Ingredient name	%	CAS number
		cement extender and to	bentonite	90 - 100	1302-78-9
		control excessive free	Crystalline silica: Quartz (SiO2)	5 - 10	14808-60-7
Bentonite	Extender	water.			
	EXCENDED				
		A powdered, flaked or			
		pelletized material used	Ingredient name	%	CAS number
		to decrease thickening	Calcium chloride	90 - 100	10043-52-4
		time and increase the rate			
alcium Chloride	Appolart	of strength development			
aicium chioride	Accelerator				
		Graded (3/8 to 3/4 inch)	Ingredient name	ar.	laun
		cellophane flakes used as		%	CAS number
		a lost circulation material.	No hazardous ingredient		
ello Flake	Lost Circulation				
		50 4 51 4 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5			
		FP-13L is a clear liquid			
		organic phosphate			
		antifoaming agent used in cementing operations. It			
		is very effective	Ingredient name	%	CAS number
		minimizing air	Tributyl phosphate	90 - 100	126-73-8
		entrapment and		50.100	120-73-8
		preventing foaming			
		tendencies of latex			
-	and a descent of the	systems.			
P-13L	Foam Preventer				
			Ingredient name	%	CAS number
		Used to retard cement	Sucrose	90 - 100	and the second sec
Franulated Sugar	Retarder	returns at surface.		90 - 100	57-50-1
		A proprietary product that			
		provides expansive			
		properties and improves			
		bonding at low to moderate	Ingredient name	%	CAS number
		temperatures.	Calcium magnesium oxide	90 - 100	37247-91-9
C-1					
		Multi-purpose polymer			
		additive used to control	Ingredient name	%	CAS number
		free fluid, fluid loss,	No hazardous ingredient		SAS humber
1PA-170	Gas Migration	rheology, and gas migration.			
	Ges IMBIGION	ingration.	Office of QL 31	9	
		A synthetic pozzolan,			
		(primarily Silicon Dioxide).	ACT D & MARY		
		When blended with	OCT 0 3 2024		
		cement, Pozzolan can be	Income data and a second se	1 au	1.000
		used to create	Ingredient name	%	CAS number
		lightweight cement	Crystalline silica: Quartz (SiO2) Environmente Silica: Quartz (SiO2)	5 - 10 1 - 5	14808-60-7
		slurries used as either a		1-5	1305-78-8
		filler slurry or a sulfate			
		resistant completion cement.			
oz (Fly Ash)	Base	Sement.			
		A low temperature			
		retarder used in a wide	Ingredient name	1.0/	loss
		range of slurry	Organic acid salt	%	CAS number
		formulations to extend	or Amilio doin sair	40 - 50	Trade secret.
		the slurry thickening time.			
3	Retarder				
			No. of the second se		
			Ingredient name	%	CAS number
			2-Butoxyethanol	20 - 30	111-76-2
		Used to water wat and	Proprietary surfactant	10 - 20	Trade secret.
		Used to water wet casing and formation to facilitate	2-Butoxyethanol Proprietary surfactant D-Glucopyranose, oligomeric, C10-16-alkyl glycosides Alkylarylsulfonate amine salt Polyoxyalkylenes		



348 - 0.5% BWOB Fluid Loss / D013 - 0.7 spersant / D095 1.5 lb per BBL CemNET* 5.9 ppg Tall - Yield 1.17 - D896 Surface Se 160A - 0.15% BWOB Dispersant / B547 - 301 - 0.03 gal / sack Retarder - 0% Exces	- 60% Excess I 100 /b / sack (/).35% BWOB (vix of Class A and	Gvosum to meet Domini	ion Requirements)	ack Anti Foam /			Marcellus Sh Doddridge	S-7H ale Horizontal County, WV	ENERGY
Personal Elevention	1		10.		the second data in	S-7H SH		1	4197225.17N 17342	57.28E
Ground Elevation		1251.7			1221	S-7H LF	2	1	4196469.59N 17334	45.83E
Azm		160.84	1°		1221 5	-7H BH	L	1	4186128.18N 17370	92.93E
WELLBORE DIAGRAM	HOLE	CASING	GEOLOGY	TOP	BASE	MUD	CEMENT	CENTRALIZERS	CONDITIONING	COMMENTS
x	.30"	30" 157.5# LS	Conductor	0	120	AIR	N/A, Casing to be drilled in w/ Dual Rotary Rig	N/A	Ensure the hole is clean at TD.	Conductor casing = 0.5" w thickness
	26"	20"				AIR	15.6 ppg PNE-1 + 3% bwoc CaCl 40% Excess 'Yield=1.20 / CTS	Centralized every 3 joints to surface	Once casing is at setting depth, circulate a minimum	Surface casing = 0.438" wa
^ X	20	94# J-55	Coal	740	746				of one hole volume with Fresh Water prior to	thickness
X	-		Fresh Water Protection	0	1225				pumping cement.	Burst=2110 psi
		j	Little Lime	2167	2187	AIR / KCL Salt Polymer	See above (LEFT) for Storage String Cement Blend to Meet DTI Requirements for Gas Storage Field Isolation	Will also be running AGP for isolating	Once casing is at setting	Intermediate casing = 0.480' wall thickness Burst=3450 psi
	17.5"	13-3/8" 68#	Big Lime	2216	2265				depth, Circulate and condition at TD, Circulate a minimum of one hole volume prior to pumping cement.	
×	1752	J-55 BTC	Injun / Gamiz (Storigg))	2265/2597	2361/2647					
		1	Intermediate 1	0	2760					
XX	1.		Thirty Foot	2789	2799				- Conterns	
			Gordon	2837	2915					
			5th Sand	3066	3102		Lead: 15.4 ppg PNE-1 +		Once casing is at setting	
X		9-5/8" 40#	Bayard	3161	3174	AIR / KCL Salt Polymer	2.5% bwoc GaCl		depth, Circulate and	Intermediate casing = 0.396 wall thickness Burst=5750 psi
	12,25"	N/L-80 BTC	Speechley	3634	3666		40% Excess / Tail: 15.9 ppg PNE-1 + 2.5% bwoc		condition mud at TD. Circulate a minimum of one	
			Benson	5038	5072		CaCl		hale valume prior to	
			Alexander	5324	5444		zero% Excess, CTS		pumping cement.	
			intermediate 2	0	TVD: 5675' MD: 5850' inc: 28 deg.					
X			1			AIR / 9.0ppg SOBM	Lead: 14.5 ppg	Run 1 spiral centralizer every 5 joints from the top of the curve to surface.	00	
	8,75"		-							1
	8.5° Curve	-	Billionavan		-		POZ:PNE-1 + 0.3% bwoc R3 + 1% bwoc	Sunace	Once on bottom/TD with casing, circulate at max	
			Rhinestreet Cashagua	6303	6591		EC1 + 0.75 gal/sk FP13L + 0.3% bwoc MPA170			Production casing = 0.415" wall thickness Burst=16240 psi Note:Actual centralizer schedules may be changed
×		5-1/2"	Middlesex	6736	6736 6815		Tail: 14.8 ppg PNE-1 +		allowable pump rate for at	
		23# P-110 HP	West River	6815	6884	11.5ppg- 12.5ppg	0.35% bwoc R3 + 0.75 gal/sk FP13L + 50%		least 2x bottoms up, or until returns and pump pressures	
	1.1.000	TXP / W461	Burkett	6884	6925	SOBM	bwoc ASCA1 + 0.5%	Run 1 spiral centralizer	indicate the hole is clean	
			Tully Limestone	6925	6952		bwoc MPA170 20% Excess	every 3 joints from the	Circulate a minimum of one hole volume prior to	due to hole conditions
			Hamilton	6952	7002		Lead Yield=1,19 Tail Yield=1,94	1st 5.5" long joint to the top of the curve.	pumping cement.	
			Marcellus	7002	7049	100 C	CTS			
	8.5" Lateral		TMD / TVD (Production)	18748	7035	11.5ppg- 12.5ppg SOBM				
X			Qnondaga	7049	-	UCOW			1 million - 1 mill	
	X	X	X	ĸ		X	X	X	X	X
	' TVD / 7775' 1D		E E	3.5" Hole - Cement 5-1/2" 23# P-110 H	ed Long String P TXP / W461			+/-1097	3' ft Lateral	TD @ +/-7035' TVD +/-18748' MD

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API Number 47 -

Operator's Well No. Van Wie 1221 S-7H

STATE OF WEST VIRGINIA DEPARTMENT OF ENVIRONMENTAL PROTECTION OFFICE OF OIL AND GAS

FLUIDS/ CUTTINGS DISPOSAL & RECLAMATION PLAN

Operator Name_HG Energy II Appalachia, LLC	OP Code 494501907
Watershed (HUC 10) Fink Creek Quadrangle	Vadis 7.5'
Do you anticipate using more than 5,000 bbls of water to complete the proposed we Will a pit be used? Yes No	
If so, please describe anticipated pit waste:NA	
Will a synthetic liner be used in the pit? Yes No 🗸 If so	o, what ml.?
Proposed Disposal Method For Treated Pit Wastes:	
Land Application	
Underground Injection (UIC Permit Number)
Reuse (at API Number TBD - At next anticipated well site)
Off Site Disposal (Supply form WW-9 for disposal loca Other (Explain	tion)
Will closed loop system be used? If so, describe: Yes, cuttings and fluids will be collected in a closed	loop system, re-used or hauled to an approved disposal site or landfill.
Drilling medium anticipated for this well (vertical and horizontal)? Air, freshwater	, oil based, etc. Vertical - Air, Air/KGL, Air/SOBM, Horizontal - SOBM
-If oil based, what type? Synthetic, petroleum, etc. Synthetic	0.0-
Additives to be used in drilling medium? Water, Soap, KCI, Barite, Base Oil, Wetting Age	ents UCT 0 3 2024
Drill cuttings disposal method? Leave in pit, landfill, removed offsite, etc. Approve	ed Landfill
-If left in pit and plan to solidify what medium will be used? (cement, lime	e, sawdust) NA
-Landfill or offsite name/permit number? See Attached	

Permittee shall provide written notice to the Office of Oil and Gas of any load of drill cuttings or associated waste rejected at any West Virginia solid waste facility. The notice shall be provided within 24 hours of rejection and the permittee shall also disclose where it was properly disposed.

I certify that I understand and agree to the terms and conditions of the GENERAL WATER POLLUTION PERMIT issued on August 1, 2005, by the Office of Oil and Gas of the West Virginia Department of Environmental Protection. I understand that the provisions of the permit are enforceable by law. Violations of any term or condition of the general permit and/or other applicable law or regulation can lead to enforcement action.

I certify under penalty of law that I have personally examined and am familiar with the information submitted on this application form and all attachments thereto and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine or imprisonment.

Company Official Signature	Diane 1	White			
Company Official (Typed Name)	Diane White				
Company Official Title	Agent				
Subscribed and sworn before met	his 19th	day of September	, 20 24		
My commission expires	12026		Notary Public		OFFICIAL SEAL NOTARY PUBLIC STATE OF WEST VIRGINIA Mark J Schall IIG Energy LLC
	/			11	5260 DUPONT ROAD 5260 DUPONT ROAD 5260 DUPONT ROAD 5260 DUPONT ROAD 5260 DUPONT ROAD 5260 DUPONT ROAD 5260 DUPONT ROAD

Cuttings Disposal/Site Water

Cuttings -Haul off Company:

Eap Industries, Inc. DOT # 0876278 1875 Smith Two State Rd. Atlasburg, PA 15004 1-888-294-5227

200 Rangos Lane Washington, PA 15301 724-222-3272 Environmental Coordination Services & Recycling (ECS&R) 8237 US Highway 19 Cochranton, PA 16314 814-425-7778

Disposal Locations:

Waste Management

Apex Environnemental, LLC Parmit # 06-08488 11 County Road 78 Amsterdam, OH 43903 740-543-4389

Westmoreland Waste, LLC Permit # 100277 111 Conner Lane Belle Vernon, PA 15012 724-929-7694

Sycamore Landfill Inc. Permit #R80-079001.05-2010 4301 Sycamore Ridge Road Hurricane, WV 25526 304-562-2611.

Max Environnemental Technologies, Inc. Facility Permit # PAD004835146 / 301071. 288 Max Lane Yukon, PA 25968 724-722-8500

Max Environnemental Technologies, Inc. Facility Permit # PAD05087072 / 301359 200 Max Drive Bulger, PA 15019 724-796-1571

Waste Management Kelly Run Permit # 100663 1901 Park Side Drive Elizabeth, PA 15037 412-384-7569

Waste Management South Hills (Arnoni) Permit # 100592 3100 Hill Road Library, PA 15129 724-348-7013 412-384-7569

Waste Management Arden Permit # 100172 200 Rangos Lane Washington, PA 15301 724-222-8272

Waste Management Meadowfill Permit # 1032 1488 Dawson Drive Bridgeport, WV 26330

Brooke County Landfill Permit # SWF-103-87 / WV 0109029 Rd 2 Box 410 Colliers, WV 26035 304-748-0014 Office of the second

Enviro 1

11/08/2024

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Wetzel County Landfill Permit # SWF-1021-97 / WV 0109186 Rt 1 Box 156A New Martinsville, WV 26035 304-455-3800

Energy Solutions, LLC Permit # UT 2300249 423 West 300 South Suite 200 Salt Lake City, UT 84101

Energy Solutions Services, Inc. Permit # R-73006-L24 1560 Bear Creek Road Oak Ridge, TN 37830

Northern A-1 Environnemental Services Permit ID MID020906814 8947 US 181 North, PO Box 1080 Kalkaska, MI 49646 281-258-9961

Water Haul off Companies:

Dynamic Structures, Clear Creek DOT # 720485 3790 State Route 7 New Waterford, OH 44445 330-892-0164

Nabors Completion & Production Services Co. PO Box 975682 Dallas, TX 75397-5682

Select Energy Services, LLC FQ Box 203997 Dallas, TX 75320-3997

Nuverra Environmental Solutions 1.1942 Veterans Memorial Highway Masonitown, WV 26542

Mustane Olifield Services LLC PO Box 739 St. Clairaville, OH 43950

Wilson's Outdoor Services, LLC 456 Cracraft Road Washington, PA 15801

Disposal Locations:

Solidification Waste Management, Arden Landfill Permit # 1001,72 200 Rangos Lane Washington, PA 15301 724-225-1589

Solidification/Incineration Soil Remediation, Inc. Permit # 02-20753 6065 Arrel-Smith Road Lowelville, OH 44436 880-586-6825

Adams #1 (Buckeye Brine, LLC) Permit # 34-031-2-7177 23986 Airport Road Coshocton, OH 43812 740-575-4484 512-478-6545 Office of Chi and Gas

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Viv a Somerican States State Collection

CMS of Delaware Inc. DBA CMS Ollfield Serv 301 Commerce Drive Moorestown, NJ 08057

Force, Inc. 1380 Rts. 286 Hwy. E, Sulte 203 Indiana, PA 15701

Solo Construction P.O. Box 544 St. Mary's, WV 26170

Equipment Transport 1 Tyler Court Carlisie, PA 17015

Myers Well Service, 2001. Ballpark Court Export, PA 15632

Burns Drilling & Excavating 618 Crabapple Road P.O. Box Wind Ridge, PA 16380

Nichios 1-A (SWIW #18) Permit # 3862 300 Cherrington Pkwy, Suite 200 Coraopolis, PA 15108 412-829-7275

Groselle (SWIW #34) Permit # 4096 RL 88 Garrettsville, OH 713-275-4816

Kemble 1-D Well Permit # 8780 7675 East Pike Norwich, Oh 42767 614-648-8898 740-786-8495

Adams #2 (Buckeye Brine, LLC) 2205 Westover Road Austin Tx 78703 Permit # 34-031-2-7178 740-575-4484 512-478-6545

Adams #3 (Buckeye Brîne, LLC) Permit #34-031-2-7241-00-00 2620 Exposition, Suite 117 Austin, TX 78703 512-478-6545

Mozena #1, Well (SWIW # 13) Permit # 84-157-2-5511-00-00 6367 E. State Street Newcomerstown, OH 42832 740-763-3966

Goff SWD #1 (SWIW # 27) Permit # 84-119-2-8776-000 300 Charrington Pkwy, Suite 200 Coraopolis, PA 15108 412-329-7275

SOS D#1 (SWIW #12) Permit # 84-059-2-4202-00-00 Silcor Olifield Services, Inc. 2939 Hubbard Road Youngstown, PH 44505

Dudley #1 UIC (SWIW #1) Permit # 34-121-2-2459-00-00 Select Energy Services, LLC 7994 S. Pleasants Hwy St. Marys, WV 26170 304-665-2652

OH UIC #1. Bu keya UIC Barnesville 1 & 2 CNX Gas Con. Jany, LLC 1000 Consol Energy Drive Permit # 84-013-2-0609-00-00 Permit # 34-013-2-0614-00-00 804-823-6568

US Steele 11385 Permit # 47-001-00561 200 Evergreen Drive Waynesburg, PA 15730 304-323-6568

· · 1.

Chapin #7 UIC (SWIW #7) Permit # 34-083-2-4197-00-00 Elkhead Gas& Oil Company 12163 Marne Rd. NE Newark, OH 43055 740-763-3966

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Enwire

Form WW-9

Operator's Well No. Van Wie 1221 S-7H

HG Energy II Appalachia, LLC

Lime Tons/a	cre or to correct to pH 6.5	
Fertilizer type10-20-20		
Fertilizer amount	500 lbs/acre	
Mulch Hay	2 Tons/acre	

Seed Mixtures

Т	emporary	Perma	nent
Seed Type Tall Fescue	lbs/acre 40	Seed Type Tall Fescue	lbs/acre 40
Ladino Clover	5	Ladino Clover	5

Maintain E&S controls through the drilling and completion process

Attach:

Maps(s) of road, location, pit and proposed area for land application (unless engineered plans including this info have been provided). If water from the pit will be land applied, include dimensions ($L \times W \times D$) of the pit, and dimensions ($L \times W$), and area in acreage, of the land application area.

Photocopied section of involved 7.5' topographic sheet.

Plan Approve	ed by:	
Comments: _	Pre-seed/mulch as soon as reasonably possible per	regulation.
	Upgrade E&S if needed per WV DEP E&S manual.	Office of OF
		001 0 3 2024
		WV 1) Environnesse
_{Fitle:} Oil 8	& Gas Inspector Date:	
Field Reviewe	ed? () Yes () No	

HG Energy II Appalachia, LLC

Site Safety Plan

Van Wie 1221 Well Pad 2891 Straight Run Road, Alum Bridge Doddridge County, WV 26321

January 2024: Version 1

For Submission to West Virginia Department of Environmental Protection, Office of Oil and Gas

HG Energy II Appalachia, LLC

5260 Dupont Road

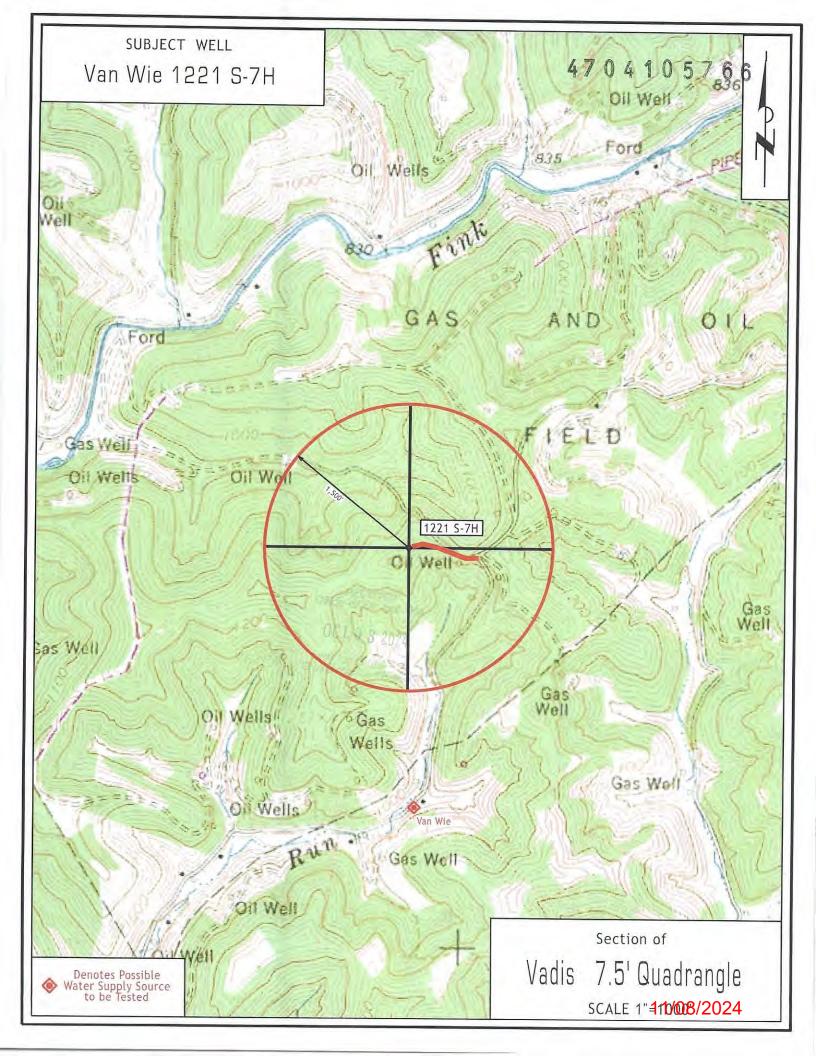
Parkersburg, WV 26101

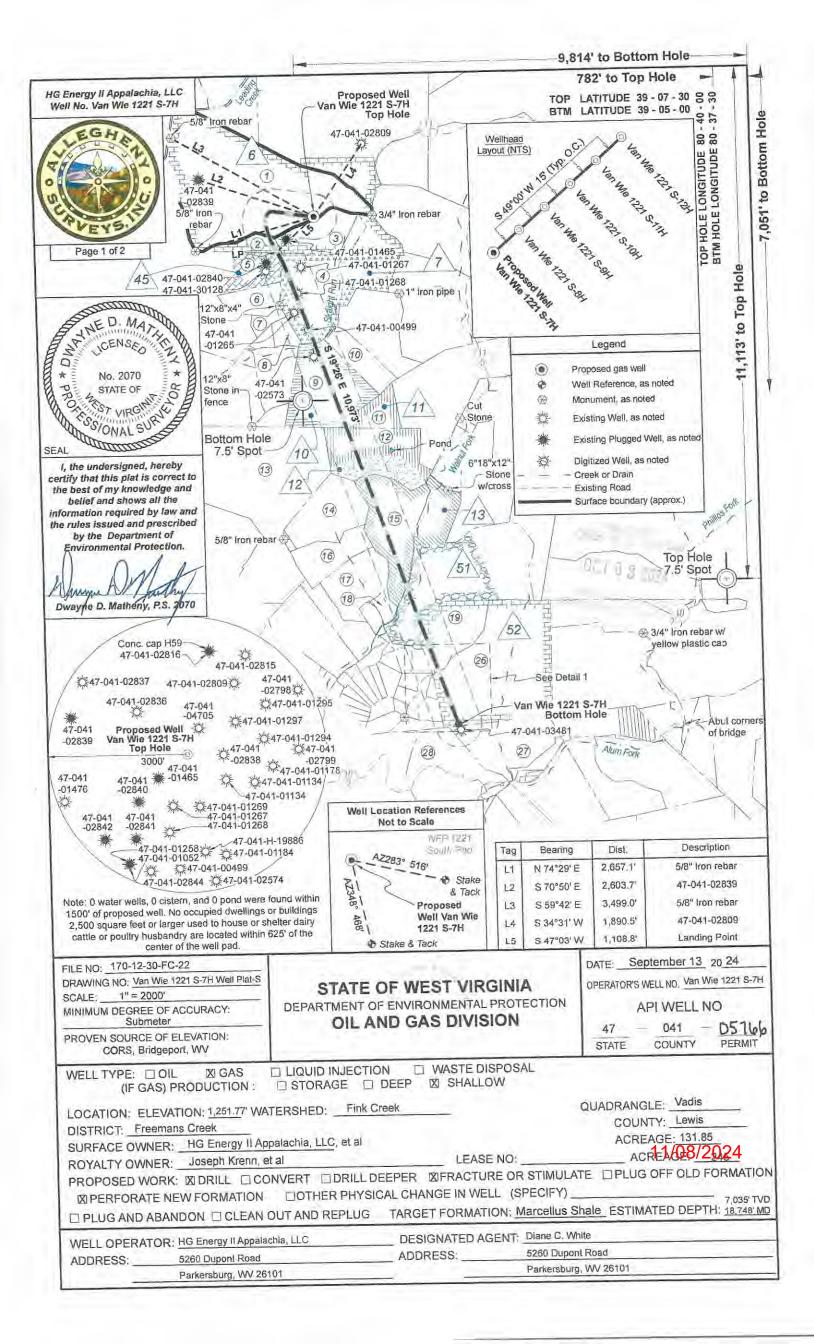
Kenneth Greynold Strivers Crystals.

Office of Cill and Gas

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WV Do common with the Environmentation





HG Energy II Appalachia, LLC Well No. Van Wie 1221 S-7H	West Virginia Coordinate System of 1927, North Zone based upon Differential GPS Measurements.	UTM Zone 1 Plat orientation and corner a upon the grid north meridian based upon the m	
Page 2 of 2	Notes: Well No. Van Wie 1221 S-7H WVCS 1927, North Zone Top Hole Coordinates Lat: 39°05'40.12" Lon: 80°40'09.92" Landing Point Coordinates Lat: 39°05'32.68" Lon: 80°40'20.25" Bottom Hole Coordinates Lat: 39°03'50.29" Lon: 80°39'34.47"	<u>Notes:</u> Well No. Van Wie 1221 S-7H <u>UTM NAD 1983 (USSF)</u> Top Hole Coordinates N: 14,197,225.17' E: 1,734,257.28' Landing Point Coordinates N: 14,196,469.59' E: 1,733,445.83' Bottom Hole Coordinates N: 14,186,128.18' E: 1,737,092.93'	<u>Notes:</u> Well No. Van Wie 1221 S-7H <u>UTM NAD 1983 (Meters)</u> Top Hole Coordinates N: 4,327,322.886m E: 528,602.676m Landing Point Coordinates N: 4,327,092.585m E: 528,355.346m Bottom Hole Coordinates N: 4,323,940.517m E: 529,466.984m
	Office of a Cas OCT O 3 2024	7 HG Energy	Lease h Krenn, et ux /II Appalachia, LLC .Marsh, et al ston, et ux, et al /II Appalachia, LLC ieen, et ux, et al /II Appalachia, LLC restock and Woodland, LLC son, Jr., et ux, et al
25	Detail 1 (1"=500') No. TM / Par. 1 2D / 3 2 2 2D / 28 3 3 2D / 29 4 4 2D / 31 5 5 2D / 26 6 6 2D / 25 7 26 10 2D / 32 10 2D / 32 10 11 2E / 41 12 12 2E / 41.1 13 13 2E / 39 14 14 2E / 42 16 16 2E / 35.1 19 19 2E / 45 20 20 2E / 31.19 22 22 2E / 31.19 22 22 2E / 31.25 25 21 22 21.25 25 2E / 31.23 26 27 2E / 54 28 26 2E / 46 27 27 2E / 54 28 28 2E / 47 28	Jeri L. Pospech Jeri L. Pospech Michael R. Bryant Michael R. Bryant Jeri L. Pospech Emily M. & Carlton E. Jor	Bk / Pg Ac. LLC 800 / 637 131.85 Casey 349 / 280 9.75 NWie 732 / 622 26.63 NWie 732 / 622 73.10 h 539 / 131 22.50 h 539 / 131 22.50 h 539 / 131 4.50 nWie 732 / 622 6.10 544 / 536 58.00 nWie 732 / 622 19.00 oak 575 / 205 15.50 717 / 614 72.75 1 544 / 734 126.50 620 / 774 620 / 774 40.00 620 / 774 40.00 620 / 774 40.00 620 / 774 40.00 620 / 774 620 / 774 40.00 620 / 774 620 / 774 40.00 620 / 774 620 / 774 40.00 620 / 774 670 / 613 3.90 670 / 613 670 / 613 3.90 670 / 613 670 / 613 4.74
FILE NO: 170-12-30-FC-22 DRAWING NO: Van Wie 1221 S-7H Well Plat-S SCALE: 1" = 2000' MINIMUM DEGREE OF ACCURACY: Submeter PROVEN SOURCE OF ELEVATION: CORS, Bridgeport, WV	STATE OF WEST VIRG DEPARTMENT OF ENVIRONMENTAL P OIL AND GAS DIVISIO	ROTECTION	September 13 20 24 R'S WELL NO. Van Wie 1221 S-7H API WELL NO - 041 COUNTY DERMIT
(IF GAS) PRODUCTION : LOCATION: ELEVATION: <u>1.251.77</u> ' WAT DISTRICT: <u>Freemans Creek</u> SURFACE OWNER: <u>HG Energy II Appa</u> ROYALTY OWNER: <u>Joseph Krenn, et</u> PROPOSED WORK: ⊠IDRILL □ CON ⊠ PERFORATE NEW FORMATION □ PLUG AND ABANDON □ CLEAN O WELL OPERATOR: <u>HG Energy II Appalach</u>	alachia, LLC, et al al LEASE I IVERT DRILL DEEPER XIFRACTURI OTHER PHYSICAL CHANGE IN WELL UT AND REPLUG TARGET FORMATIO	N QUADRA CO AC NO: E OR STIMULATE □ PLI (SPECIFY) N: <u>Marcellus Shale</u> EST ENT: <u>Diane C. White</u>	NGLE: <u>Vadis</u> IUNTY: <u>Lewis</u> REAGE: 131.85 ACREAGE: <u>245</u> UG OFF OLD FORMATION
ADDRESS: 5260 Dupont Road Parkersburg, WV 2610	ADDRESS:	Parkersburg, WV 26101	

WW-6A1 (5/13)

Operator's Well No. Van Wie 1221 S-37H

INFORMATION SUPPLIED UNDER WEST VIRGINIA CODE Chapter 22, Article 6A, Section 5(a)(5) IN LIEU OF FILING LEASE(S) AND OTHER CONTINUING CONTRACT(S)

Under the oath required to make the verification on page 1 of this Notice and Application, I depose and say that I am the person who signed the Notice and Application for the Applicant, and that –

- (1) the tract of land is the same tract described in this Application, partly or wholly depicted in the accompanying plat, and described in the Construction and Reclamation Plan;
- (2) the parties and recordation data (if recorded) for lease(s) or other continuing contract(s) by which the Applicant claims the right to extract, produce or market the oil or gas are as follows:

Lease Name or				
Number	Grantor, Lessor, etc.	Grantee, Lessee, etc.	Royalty	Book/Page

See Attached Sheets

Co-Tenancy utilization - At least 75% of the royalty owners have consented to the lawful use or development of the natural gas mineral property on the tract. The interests of the remaining cotenants will be secured pursuant to the Co-Tenancy Act

Horizontal Well Unit Utilization - Subjet to unitilization filing with te WV Oil and Gas Conservation Commission

Acknowledgement of Possible Permitting/Approval In Addition to the Office of Oil and Gas

The permit applicant for the proposed well work addressed in this application hereby acknowledges the possibility of the need for permits and/or approvals from local, state, or federal entities in addition to the DEP, Office of Oil and Gas, including but not limited to the following:

- WV Division of Water and Waste Management
- WV Division of Natural Resources WV Division of Highways
- U.S. Army Corps of Engineers
- U.S. Fish and Wildlife Service
- County Floodplain Coordinator

The applicant further acknowledges that any Office of Oil and Gas permit in no way overrides, replaces, or nullifies the need for other permits/approvals that may be necessary and further affirms that all needed permits/approvals should be acquired from the appropriate authority before the affected activity is initiated.

Well Operator:	HG Energy II Appalachia, LLC				
By:	Diane White	Diane white			
Its:	Agent				

Page 1 of 4

HG Energy II Appalachia, LLC 1221 S7H Lease Chain

		ΤΑΧ ΜΑΡ	LEASE NUMBER	GRANTOR/LESSOR	GRANTEE/LESSEE	ROYALTY	DEED BOOK	PAGE
221S Tract	NUMBER	TAX MAP	LEASE NOWIDER	JOSEPH KRENN AND EMILY E. KRENN, HIS WIFE	SOUTH PENN OIL COMPANY	NOT LESS THAN 1/8	33	2
5				WILLIAM A. LOUWTHER	SOUTH PENN OIL COMPANY	NOT LESS THAN 1/8	42	4
4				SOUTH PENN OIL COMPANY	SOUTH PENN NATURAL GAS CO	ASSIGNMENT	156	5
	1.5 (1) (1)			SOUTH PENN NATURAL GAS CO	HOPE NATURAL GAS COMPANY	ASSIGNMENT	166	4
			1	HOPE NATURAL GAS COMPANY	CONSOLIDATED GAS SUPPLY CORPORATION	CONFIRMATORY DEED	294	
				CONSOLIDATED GAS SUPPLY CORPORATION	CONSOLIDATED GAS TRANSMISSION CORPORATION	ASSIGNMENT	425	
す	1			CONSOLIDATED GAS SOFTED CONFORMATION	CNG TRANSMISSION CORPORATION	MERGER/NAME CHANGE	WVSOS	
				CNG TRANSMISSION CORPORATION	DOMINION TRANSMISSION, INC.	MERGER/NAME CHANGE	9	
		03-002D-0003-0000		DOMINION TRANSMISSION, INC.	CNX GAS COMPANY LLC	MEMORANDUM OF FARMOUT AGREEMENT	672	
		03-002D-0003-0001		CNX GAS COMPANY LLC	NOBLE ENERGY, INC.	LIMITED PARTIAL ASSIGNMENT (50%)	684	-
	FK054825	03-002D-0003-0003	0100000000	DOMINION TRANSMISSION, INC.	CNX GAS COMPANY LLC AND NOBLE ENERGY INC	NOT LESS THAN 1/8	692	
16	FK079440 FEE	03-002D-0028-0000	Q100903000	DOMINION TRANSMISSION, INC.	CNX GAS COMPANY LLC AND NOBLE ENERGY, INC.	PARTIAL ASSIGNMENT (32%)	712	
	0.0000000000000000000000000000000000000	03-002D-0029-0000	tion the		NOBLE ENERGY, INC.	ASSIGNMENT	717	
		03-002D-0030-0000	- 10 ·		HG ENERGY II APPALACHIA, LLC	ASSIGNMENT	722	-
		0	2024 2024 Vent of	NOBLE ENERGY, INC.	DOMINION ENERGY TRANSMISSION, INC.	MERGER/NAME CHANGE	WVSOS	
		<u> </u>		DOMINON TRANSMISSION, INC.	Dominion chengi na anona any me	SECOND AMENDMENT TO MEMORANDUM OF		
			00	POLYNUON ENERCY TRANSMICCION INC	HG ENERGY II APPALACHIA, LLC	FARMOUT AGREEMENT	723	
		AEC	0	DOMINION ENERGY TRANSMISSION, INC.	na Eneral II All Abrains, ele	THIRD AMENDMENT TO MEMORANDUM OF	-	
			0CT	A ANNUAL ENERGY TO ANEMICSION INC.	HG ENERGY II APPALACHIA, LLC	FARMOUT AGREEMENT	734	
				DOMINION ENERGY TRANSMISSION, INC.	HG ENERGY II APPALACHIA, LLC	ASSIGNMENT (68%)	736	
	Č		DOMINION ENERGY TRANSMISSION, INC.	HG ENERGY II APPALACHIA, LLC	MINERAL DEED	740		
17	FK051151 FEE	03-002D-0031-0000	FK051151 FEE FK080009 FEE	DOMINION ENERGY TRANSMISSION, INC.	HG ENERGY II APPALACHIA, LLC	MINERAL DEED	740	
	FK080009 FEE		TROBUGUSTEE	M. C. MARSH, CATHERINE E. MARSH, AND C. E. MARSH	SOUTH PENN OIL COMPANY	NOT LESS THAN 1/8	39	1
				SOUTH PENN NATURAL GAS CO	HOPE NATURAL GAS COMPANY	ASSIGNMENT	85	
				SOUTH PENN OIL COMPANY	SOUTH PENN NATURAL GAS CO	ASSIGNMENT	156	
				SOUTH PENN NATURAL GAS CO	HOPE NATURAL GAS COMPANY	ASSIGNMENT	166	-
				HOPE NATURAL GAS COMPANY	CONSOLIDATED GAS SUPPLY CORPORATION	CONFIRMATORY DEED	294	
				CONSOLIDATED GAS SUPPLY CORPORATION	CONSOLIDATED GAS TRANSMISSION CORPORATION	ASSIGNMENT	425	
				CONSOLIDATED GAS TRANSMISSION CORPORATION	CNG TRANSMISSION CORPORATION	MERGER/NAME CHANGE	51	
				CNG TRANSMISSION CORPORATION	DOMINION TRANSMISSION, INC.	MERGER/NAME CHANGE	9	
				DOMINION TRANSMISSION, INC.	CNX GAS COMPANY LLC	MEMORANDUM OF FARMOUT AGREEMENT	672	
	FK000787	02 0020 0022 0000	Q100906000	CNX GAS COMPANY LLC	NOBLE ENERGY, INC.	LIMITED PARTIAL ASSIGNMENT (50%)	684	
10	FK079964 FEE	03-002D-0032-0000	Q100906000	DOMINION TRANSMISSION, INC.	CNX GAS COMPANY LLC AND NOBLE ENERGY, INC.	PARTIAL ASSIGNMENT (32%)	712	-
				CNX GAS COMPANY LLC	NOBLE ENERGY, INC.	ASSIGNMENT	717	
				NOBLE ENERGY, INC.	HG ENERGY II APPALACHIA, LLC	ASSIGNMENT	722	
				DOMINON TRANSMISSION, INC.	DOMINION ENERGY TRANSMISSION, INC.	MERGER/NAME CHANGE	WVSOS	
				DOMINON ENERGY TRANSMISSION, INC.	HG ENERGY II APPALACHIA, LLC	SECOND AMENDMENT TO MEMORANDUM OF FARMOUT AGREEMENT	723	
					HG ENERGY II APPALACHIA, LLC	THIRD AMENDMENT TO MEMORANDUM OF FARMOUT AGREEMENT	734	
				DOMINION ENERGY TRANSMISSION, INC.	HG ENERGY II APPALACHIA, LLC	ASSIGNMENT (68%)	736	

				DOMINION ENERGY TRANSMISSION, INC.	HG ENERGY II APPALACHIA, LLC	FARMOUT AGREEMENT	723	
45	FK078872 FEE	03-002D-0025-0000		DOMINON TRANSMISSION, INC.	DOMINION ENERGY TRANSMISSION, INC.	SECOND AMENDMENT TO MEMORANDUM OF		
G .				NOBLE ENERGY, INC.	DOMINION ENERGY TRANSMISSION, INC.	MERGER/NAME CHANGE	WVSOS	
		No. 1 Acres 1		CNX GAS COMPANY LLC	HG ENERGY II APPALACHIA, LLC	ASSIGNMENT	722	
				DOMINION TRANSMISSION, INC.	NOBLE ENERGY, INC.	ASSIGNMENT	717	
				DOMINION TRANSMISSION, INC.	CNX GAS COMPANY LLC AND NOBLE ENERGY INC.	PARTIAL ASSIGNMENT (32%)	712	
				CNX GAS COMPANY LLC	NOBLE ENERGY, INC. CNX GAS COMPANY LLC AND NOBLE ENERGY INC	NOT LESS THAN 1/8	692	
	-			DOMINION TRANSMISSION, INC.	CNX GAS COMPANY LLC	LIMITED PARTIAL ASSIGNMENT (50%)	684	
	1			DOMINION ENERGY TRANSMISSION, INC.		MEMORANDUM OF FARMOUT AGREEMENT	672	
				DOMINION ENERGY TRANSMISSION, INC.	HG ENERGY II APPALACHIA, LLC HG ENERGY II APPALACHIA, LLC	FARMOUT AGREEMENT ASSIGNMENT (68%)	736	
				DOMINION ENERGY TRANSMISSION, INC.	HG ENERGY II APPALACHIA, LLC	THIRD AMENDMENT TO MEMORANDUM OF	734	
						FARMOUT AGREEMENT	723	
				DOMINON TRANSMISSION, INC.	DOMINION ENERGY TRANSMISSION, INC.	SECOND AMENDMENT TO MEMORANDUM OF		
				NOBLE ENERGY, INC.	HG ENERGY II APPALACHIA, LLC	MERGER/NAME CHANGE	WVSOS	
		p/o 03-002E-0045-0000		CNX GAS COMPANY LLC	NOBLE ENERGY, INC.	ASSIGNMENT	722	
/ 13	FK059898	03-002E-0042-0001	Q100783000	DOMINION TRANSMISSION, INC.	CNX GAS COMPANY LLC AND NOBLE ENERGY, INC.	ASSIGNMENT	717	
		03-002E-0042-0000	0100793000	CNX GAS COMPANY LLC	NOBLE ENERGY, INC.	PARTIAL ASSIGNMENT (32%)	712	
				DOMINION TRANSMISSION, INC.	CNX GAS COMPANY LLC	LIMITED PARTIAL ASSIGNMENT (50%)	684	
				CNG TRANSMISSION CORPORATION	DOMINION TRANSMISSION, INC.	MEMORANDUM OF FARMOUT AGREEMENT	672	
				CONSOLIDATED GAS TRANSMISSION CORPORATION	CNG TRANSMISSION CORPORATION	MERGER/NAME CHANGE	9	-
				CONSOLIDATED GAS SUPPLY CORPORATION	CONSOLIDATED GAS TRANSMISSION CORPORATION	MERGER/NAME CHANGE	51	
				HOPE NATURAL GAS COMPANY	CONSOLIDATED GAS SUPPLY CORPORATION	ASSIGNMENT	425	-
				MOLLIE QUEEN, HIS WIFE	HOPE NATURAL GAS COMPANY	CONFIRMATORY DEED	294	
				STUMP AND G.C. STUMP, HER HUSBAND; AND THEO QUEEN AND		NOT LESS THAN 1/8	195	
		p/o 03-002E-0041-0001		H.P. QUEEN AND MRS. MARTHA L. QUEEN, HIS WIFE; MRS. RADIE J.				
/ 12	FK079441 FEE	03-002E-0041-0002	FK079441 FEE	DOMINION ENERGY TRANSMISSION, INC.	HG ENERGY II APPALACHIA, LLC	MINERAL DEED	740	
		03-002E-0041-0000						
			DOMINION ENERGY TRANSMISSION, INC.	HG ENERGY II APPALACHIA, LLC	ASSIGNMENT (68%)	/30	_	
			DOMINION ENERGY TRANSMISSION, INC.	HG ENERGY II APPALACHIA, LLC	FARMOUT AGREEMENT	734		
			DOMINION ENERGY TRANSMISSION, INC.		THIRD AMENDMENT TO MEMORANDUM OF	774		
					HG ENERGY II APPALACHIA, LLC	FARMOUT AGREEMENT	723	
				DOMINON TRANSMISSION, INC.	DUNIMUN ENERGY TRANSIVISSION, INC.	SECOND AMENDMENT TO MEMORANDUM OF		
				NOBLE ENERGY, INC.	DOMINION ENERGY TRANSMISSION, INC.	MERGER/NAME CHANGE	WVSOS	
				CNX GAS COMPANY LLC	HG ENERGY II APPALACHIA, LLC	ASSIGNMENT	722	
	1.			DOMINION TRANSMISSION, INC.	NOBLE ENERGY, INC.	ASSIGNMENT	717	
	16			CNX GAS COMPANY LLC	CNX GAS COMPANY LLC AND NOBLE ENERGY, INC.	PARTIAL ASSIGNMENT (32%)	712	
				DOMINION TRANSMISSION, INC.	NOBLE ENERGY, INC.	LIMITED PARTIAL ASSIGNMENT (50%)	684	
				CNG TRANSMISSION CORPORATION	CNX GAS COMPANY LLC	MEMORANDUM OF FARMOUT AGREEMENT	672	
				CONSOLIDATED GAS TRANSMISSION CORPORATION	DOMINION TRANSMISSION CONFORMATION	MERGER/NAME CHANGE	9	
e ¹¹	FK047305	p/o 03-002E-0041-0001	Q100425000	CONSOLIDATED GAS SUPPLY CORPORATION	CONSOLIDATED GAS TRANSMISSION CONTERCENT	MERGER/NAME CHANGE	51	
		a hater and real		HOPE NATURAL GAS COMPANY	CONSOLIDATED GAS SUPPLY CORPORATION	ASSIGNMENT	425	
				GASTON, WIDOW; FRANCES LOUISE GASTON, SINGLE; GERALDINE GASTON MANN AND ROBERT H. MANN, HER HUSBAND; AND LLOYD H. GASTON AND EDIS L. GASTON, HIS WIFE	HOPE NATURAL GAS COMPANY	NOT LESS THAN 1/8	144 294	
				ANDRICK AND B. M. ANDRICK, HER HUSBAND; EDNA ALFRED AND J. T. ALFRED, HER HUSBAND; DALE YOUNG AND J. P. YOUNG, HER HUSBAND; NORA M. NORMAN AND M. B. NORMAN, HER HUSBAND; GRACE MUNDELL, SINGLE; DOVE W. GASTON, WIDOW; EDNA M.	0.3 20			
				L.B. GASTON AND RETTA GASTON, HIS WIFE; MANDA J. HALL, WIDOW; R. V. HALL AND R.H. HALL, HER HUSBAND; IDA M. GASTON, SINGLE; W. H. GASTON AND IDA MAY GASTON, HIS WIFE; MARY E. GASTON, WIDOW; E.G. MUNDELL AND MARTHA MUNDELL, HIS WIFE; OCIE	2024 507			

	1 1			DOMINION ENERGY TRANSMISSION, INC.	HG ENERGY II APPALACHIA, LLC	THIRD AMENDMENT TO MEMORANDUM OF FARMOUT AGREEMENT	734	558
				DOMINION ENERGY TRANSMISSION, INC.	HG ENERGY II APPALACHIA, LLC	ASSIGNMENT (68%)	736	22
				DOMINION ENERGY TRANSMISSION, INC.	HG ENERGY II APPALACHIA, LLC	MINERAL DEED	740	74
	10000			Riverside Farm Livestock & Woodland LLC	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	796	82
51	HGII03018	p/o 03-002E-0045-0000	HGII03018	T&B Natural Resource Ventures, LLC	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	814	50
A 52	CNX140250000	03-002E-0046-0000 p/o 03-002E-0045-0000	CNX140250000	S.R. HARRISON, JR., HUSBAND OF BLANCH M. HARRISON; HAYMOND MAXWELL, JR., A MARRIED MAN; HARRIET M. JARVIS, WIDOW, BLANCHE M. HARRISON, A MARRIED WOMAN, CHRISTINE M. THOMPSON AND CHARLES H. THOMPSON, HER HUSBAND, ISAAC H. MAXWELL AND ELLA LOUISE MAXWELL, HIS WIFE, JANE O. MAXWELL, WIFE OF HAYMOND MAXWELL, IR. NIRGINIA M. PHILLIP AND JOHN D. PHILLIPS, JARE O. MAXWELL B. UTTLEPAGE AND CHARLES F. UTTLEPAGE, HER HUSBAND, TAWANA M. BUTCHER AND B. B. BUTCHER, HER HUSBAND, CAY MAXWELL, JR. AND HELENS. MAXWELL JR. JHE HUSBAND, FMILY M. UTTLEPAGE AND CHARLES F. UTTLEPAGE, HER HUSBAND, TAWANA M. BUTCHER AND B. B. BUTCHER, HER HUSBAND, CLAY MAXWELL, JR. AND ELIZABETH B. MAXWELL, JR., THE ATTORNEYS IN FACT; FRANKJ. MAXWELL, JR. AND MAYMOND MAXWELL JR., THE ATTORNEYS IN FACT; FRANKJ. MAXWELL, JIS JOHNSON, HER HUSBAND, WILLIAM BRENT MAXWELL, JR. AND MARQUERITE W. MAXWEL AL, HIS WIFE, JOHNAD MAXWELL JR. THE FATORNEYS IN FACT; FRANKJ. MAXWEL AL, HIS WIFE, JOHNAD MARWER AND L. CHERT SAWYER AND L. EVERT SAWYER AND L. CHERT SAWYER AND L. SCHERT SAWYER AND L. CHERT SAWYER AND L. WEET TS AWYER AND L. SCHERT SAWYER AND L. WIETET SAWYER AND L. WEET SAWYER AND L. SCHERT SAWYER AND L. SCHERT SAWYER AND L. SCHERT SAWYER AND L. SCHERT SAWYER AND L. WEET SAWYER AND L. WAXWEL AND VIRGINIA MAXWELL THEF ATTORNEY IN FACT; LEEMAN MAXWELL MAWYEL MANYER AND WILLIAM J. MAXWELL, THEF HUSBAND, RUBY F. MAXWEL, WIDOW, MARY M. HARPER AND WILLIAM J. HARPER, HER HUSBAND, RUBY F. MAXWELL, MID WIDA MARWELL, MID WIE, MAXWELL, MIS WIFE, MISTAN M. HURDAND MAXWELL, HIS WIFE, MILLIAM J. MAXWELL, HIS WIFE, AND N. MAWEL, MIDOW, MARY M. HARPER AND WILLIAM J. HARPER, HER HUSBAND, GARG M. GERARD MCUCUE, WIDOW, MARY M. HARPER A	HOPE NATURAL GAS COMPANY CONSOLIDATED GAS SUPPLY CORPORATION CONSOLIDATED GAS TRANSMISSION CORPORATION CONSOLIDATED GAS TRANSMISSION CORPORATION CONSOLIDATED GAS TRANSMISSION CORPORATION DOMINION TRANSMISSION, INC. CONSOL ENERGY HOLDINGS LLC XVI	NOT LESS THAN 1/8 CONFIRMATORY DEED ASSIGNMENT MERGER/NAME CHANGE MERGER/NAME CHANGE ASSIGNMENT	292 294 425 51 9 651	
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		and the second se		CNX GAS COMPANY LLC	In cherch in All Accounty coo			



HG Energy, LLC 5260 Dupont Road Parkersburg, WV 26101 (304) 420-1100 - Office (304) 863-3172 - Fax

4704105766

September 29, 2024

Cragin Blevins WV DEP Division of Oil & Gas 601 57th Street Charleston, WV 25304

RE: Drilling Under Roads – Van Wie 1221 S-7H Freemans Creek District, Lewis County West Virginia

Dear Mr. Blevins:

HG Energy II Appalachia, LLC, is submitting the attached application for a new well work permit for the Van Wie 1221 well pad. As an authorized representative, I certify HG Energy II Appalachia, LLC, has the right to drill, stimulate, extract, produce and market the oil, gas or condensate for all leases through which the Van Wie 1221 laterals will drill through, including, all roads crossed under as identified on the attached survey plat.

Should you have any questions or desire further information, please contact me at <u>dwhite@hgenergyllc.com</u> or 304-420-1119.

Very truly yours,

Diane White

Diane C. White

Enclosures

Horizontal Natural Gas Well Work Permit Application Notice By Publication

Notice is hereby given:

Pursuant to West Virginia Code 22-6A-10(e) prior to filing an application for a permit for a horizontal well the applicant shall publish in the county in which the well is located or is proposed to be located a Class II legal advertisement.

Paper: The Weston Democrat Newspaper

Public Notice Date: Wednesday, June 5th & Wednesday, June 12th, 2024

The following applicant intends to apply for a horizontal natural well work permit which disturbs three acres or more of surface excluding pipelines, gathering lines and roads or utilizes more than two hundred ten thousand gallons of water in any thirty day period.

Applicant: HG Energy II Appalachia, LLC

UTM coordinate NAD83 Easting:

Watershed: Fink Creek

Well Number: Van Wie 1221 S-7H

Address:	5260 E	5260 Dupont Road						
	Parker	sburg, WV 26101						
Business (Conduct	ed: Natural gas production.						
Location -	_				Office (1) (1)			
S	tate:	West Virginia	County:	Lewis	DCT 0 3 2024			
D	istrict:	Freemans Creek	Quadrangle:	Vadis 7.5'	E WY			
U	TM Coc	ordinate NAD83 Northing: 432	7322.9					

1

Coordinate Conversion:

To convert the coordinates above into longitude and latitude, visit: http://tagis.dep.wv.gov/convert/llutm conus.php

Electronic notification:

To receive an email when applications have been received or issued by the Office of Oil and Gas, visit <u>http://www.dep.wv.gov/insidedep/Pages/DEPMailingLists.aspx</u> to sign up.

528602.7

Reviewing Applications:

Copies of the proposed permit application may be reviewed at the WV Department of Environmental Protection headquarters, located at 601 57th Street, SE Charleston, WV 25304 (304-926-0450). Full copies or scans of the proposed permit application will cost \$15, whether mailed or obtained at DEP headquarters. Copies may be requested by calling the office or by sending an email to <u>DEP.comments@wv.gov</u>.

Submitting Comments:

Comments may be submitted online at <u>https://apps.dep.wv.gov/oog/comments/comments.cfm</u>, or by letter to Permit Review, Office of Oil and Gas, 601 57th Street, SE Charleston, WV 25304. Please reference the county, well number, and operator when using this option.

Regardless of format for comment submissions, they must be received no later than thirty days after the permit application is received by the Office of Oil and Gas.

For information related to horizontal drilling visit: www.dep.wv.gov/oil-and-gas/pages/default.aspx



STATE OF WEST VIRGINIA DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS <u>NOTICE CERTIFICATION</u>

Date of Notice Certification: 09/29/2024

Notice has been given:

API No. 47-	And states and states and states
Operator's Well No	Van Wie 1221 S-7H
Well Pad Name: V	an Wie

Pursuant to the provisions in West Virginia Code § 22-6A, the Operator has provided the required parties with the Notice Forms listed below for the tract of land as follows:

State:	West Virginia	LITS AND DO	Easting:	528602.7
County:	Lewis	UTM NAD 83	Northing:	4327322.9
District:	Freemans Creek			CR 11 / 3 via Straight Run Road
Quadrangle:	Vadis WV 7.5's			Van Wie
Watershed:	Fink Creek			

Pursuant to West Virginia Code § 22-6A-7(b), every permit application filed under this section shall be on a form as may be prescribed by the secretary, shall be verified and shall contain the following information: (14) A certification from the operator that (i) it has provided the owners of the surface described in subdivisions (1), (2) and (4), subsection (b), section ten of this article, the information required by subsections (b) and (c), section sixteen of this article; (ii) that the requirement was deemed satisfied as a result of giving the surface owner notice of entry to survey pursuant to subsection (a), section ten of this article six-a; or (iii) the notice requirements of subsection (b), section sixteen of this article were waived in writing by the surface owner; and Pursuant to West Virginia Code § 22-6A-11(b), the applicant shall tender proof of and certify to the secretary that the notice requirements of section ten of this article have been completed by the applicant.

Pursuant to West Virginia Code § 22-6A, the Operator has attached proof to this Notice Certification that the Operator has properly served the required parties with the following:	
*PLEASE CHECK ALL THAT APPLY	OOG OFFICE USE ONLY
□ 1. NOTICE OF SEISMIC ACTIVITY OF ■ NOTICE NOT REQUIRED BECAUSE NO SEISMIC ACTIVITY WAS CONDUCTED	□ RECEIVED/ NOT REQUIRED
■ 2. NOTICE OF ENTRY FOR PLAT SURVEY or □ NO PLAT SURVEY WAS CONDUCTED	□ RECEIVED
■ 3. NOTICE OF INTENT TO DRILL or DOTICE NOT REQUIRED BECAUSE NOTICE OF ENTRY FOR PLAT SURVEY WAS CONDUCTED or	□ RECEIVED/ NOT REQUIRED
□ WRITTEN WAIVER BY SURFACE OWNER (PLEASE ATTACH)	
4. NOTICE OF PLANNED OPERATION	RECEIVED
■ 5. PUBLIC NOTICE DCT 0 \$ 2024	□ RECEIVED
6. NOTICE OF APPLICATION	□ RECEIVED

Required Attachments:

The Operator shall attach to this Notice Certification Form all Notice Forms and Certifications of Notice that have been provided to the required parties and/or any associated written waivers. For the Public Notice, the operator shall attach a copy of the Class II Legal Advertisement with publication date verification or the associated Affidavit of Publication. The attached Notice Forms and Certifications of Notice shall serve as proof that the required parties have been noticed as required under West Virginia Code § 22-6A. Pursuant to West Virginia Code § 22-6A-11(b), the Certification of Notice to the person may be made by affidavit of personal service, the return receipt card or other postal receipt for certified mailing.



Certification of Notice is hereby given:

THEREFORE, I Diane White

, have read and understand the notice requirements within West Virginia Code § 22-6A. I certify that as required under West Virginia Code § 22-6A, I have served the attached copies of the Notice Forms, identified above, to the required parties through personal service, by registered mail or by any method of delivery that requires a receipt or signature confirmation. I certify under penalty of law that I have personally examined and am familiar with the information submitted in this Notice Certification and all attachments, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

Well Operator:	HG II Appalachia, LLC	Address:	5260 Dupont Road
By:	Diane White Diane White		Parkersburg, WV 26101
Its:	Agent	Facsimile:	304-863-3172
Telephone:	304-420-1119	Email:	dwhite@hgenergyllc.com
	NOTARY SFAL	Subscribed and swo	$\frac{11/2/2526}{29tth day of September, 2024}$ Notary Public

Oil and Gas Privacy Notice:

The Office of Oil and Gas processes your personal information, such as name, address and telephone number, as part of our regulatory duties. Your personal information may be disclosed to other State agencies or third parties in the normal course of business or as needed to comply with statutory or regulatory requirements, including Freedom of Information Act requests. Our office will appropriately secure your personal information. If you have any questions about our use or your personal information, please contact DEP's Chief Privacy Officer at depprivacyofficer@wv.gov.

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WW-6A (9-13)

API NO. 47-____ OPERATOR WELL NO. VAN VAN 1221 NITHE ST. Well Pad Name: Van Wie 1221

STATE OF WEST VIRGINIA DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS NOTICE OF APPLICATION

Notice Time Requirement: notice shall be provided no later than the filing date of permit application.

Date of Notice: 12/10/23	Date Permit Application Filed:	12/13/23
Notice of:		

\square	PERMIT FOR ANY	CERTIFICATE OF APPROVAL FOR THE
	WELL WORK	CONSTRUCTION OF AN IMPOUNDMENT OR PI

Delivery method pursuant to West Virginia Code § 22-6A-10(b)

PERSONAL	□ REGISTERED	RSONAL 🗌 REGISTERED 🛛 METHOD OF DELIVERY THA	T REQUIRES A
SERVICE	MAIL		

Pursuant to W. Va. Code § 22-6A-10(b) no later than the filing date of the application, the applicant for a permit for any well work or for a certificate of approval for the construction of an impoundment or pit as required by this article shall deliver, by personal service or by registered mail or by any method of delivery that requires a receipt or signature confirmation, copies of the application, the erosion and sediment control plan required by section seven of this article, and the well plat to each of the following persons: (1) The owners of record of the surface of the tract on which the well is or is proposed to be located; (2) The owners of record of the surface tract or tracts overlying the oil and gas leasehold being developed by the proposed well work, if the surface tract is to be used for roads or other land disturbance as described in the erosion and sediment control plan submitted pursuant to subsection (c), section seven of this article; (3) The coal owner, operator or lessee, in the event the tract of land on which the well proposed to be drilled is located [sic] is known to be underlain by one or more coal seams; (4) The owners of record of the surface tract or tracts overlying the oil and gas leasehold being developed by the proposed well work, if the surface tract is to be used for the placement, construction, enlargement, alteration, repair, removal or abandonment of any impoundment or pit as described in section nine of this article; (5) Any surface owner or water purveyor who is known to the applicant to have a water well, spring or water supply source located within one thousand five hundred feet of the center of the well pad which is used to provide water for consumption by humans or domestic animals; and (6) The operator of any natural gas storage field within which the proposed well work activity is to take place. (c)(1) If more than three tenants in common or other co-owners of interests described in subsection (b) of this section hold interests in the lands, the applicant may serve the documents required upon the person described in the records of the sheriff required to be maintained pursuant to section eight, article one, chapter eleven-a of this code. (2) Notwithstanding any provision of this article to the contrary, notice to a lien holder is not notice to a landowner, unless the lien holder is the landowner. W. Va. Code R. § 35-8-5.7.a requires, in part, that the operator shall also provide the Well Site Safety Plan ("WSSP") to the surface owner and any water purveyor or surface owner subject to notice and water testing as provided in section 15 of this rule.

□ Application Notice □ WSSP Notice □ E&S Plan Notice □ Well Plat Notice is hereby provided to:

O SURFA	CE OWNER(s) well pad.	COAL OWNER OR LESSEE	
Name:	HG Energy II Appalachia, LLC **	Name: NA	
Address:	5260 Dupont Road	Address:	
N 101 101 1	Parkersburg, WV 26101		
Name:	Anthony and Dawn Van Wie	COAL OPERATOR	
Address:	2700 Jones Road	Name: NA	
	Dunkirk, MD 20754	Address:	
SURFA	CE OWNER(s) (Road and/or Other Disturbance)		
Name:		USURFACE OWNER OF WATER WELL	
Address:		AND/OR WATER PURVEYOR(s)	
		Name: NA	
Name:		Address:	
Address:			
		OPERATOR OF ANY NATURAL GAS STORAGE FIELD	
SURFA	CE OWNER(s) (Impoundments or Pits)	Name: BHE GT&S - Attn: Jamie Moore	
Name:		Address: 925 White Oaks Blvd	
Address:		Bridgeport, WV 26330	
		*Please attach additional forms if necessary	

WW-6A (8-13)

API NO. 47-____ OPERATOR WELL NO. VOR VAR 1221 NITH IN S12H Well Pad Name: Van Wie 1221

Notice is hereby given:

Pursuant to West Virginia Code § 22-6A-10(b), notice is hereby given that the undersigned well operator has applied for a permit for well work or for a certificate of approval for the construction of an impoundment or pit.

This Notice Shall Include:

Pursuant to W, Va. Code § 22-6A-10(b), this notice shall include: (1) copies of the application; (2) the erosion and sediment control plan required by section seven of this article; and (3) the well plat.

Pursuant to W. Va. Code § 22-6A-10(f), this notice shall include; (1) a statement of the time limits for filing written comments; (2) who may file written comments; (3) the name and address of the secretary for the purpose of filing the comments and obtaining additional information; and (4) a statement that the persons may request, at the time of submitting written comments, notice of the permit decision and a list of persons qualified to test water.

Pursuant to W. Va. Code R. § 35-8-5.7.a, the operator shall provide the Well Site Safety Plan to the surface owner and any water purveyor or surface owner subject to notice and water testing as provided in section 15 of this rule.

Pursuant to W. Va. Code R. § 35-8-15.2.c, this notice shall: (1) contain a statement of the surface owner's and water purveyor's right to request sampling and analysis; (2) advise the surface owner and water purveyor of the rebuttable presumption for contamination or deprivation of a fresh water source or supply; advise the surface owner and water purveyor that refusal to allow the operator to conduct a pre-drilling water well test constitutes a method to rebut the presumption of liability; (3) advise the surface owner and water purveyor whether or not the operator will utilize an independent laboratory to analyze any sample; and (4) advise the surface owner and or water purveyor that he or she can obtain from the Chief a list of water testing laboratories in the subject area capable of and qualified to test water supplies in accordance with standard acceptable methods.

Additional information related to horizontal drilling may be obtained from the Secretary, at the WV Department of Environmental Protection headquarters, located at 601 57th Street, SE, Charleston, WV 25304 (304-926-0450) or by visiting <u>www.dep.wv.gov/oil-and-gas/pages/defaultaspx</u>.

Well Location Restrictions

Pursuant to W. Va. Code § 22-6A-12, Wells may not be drilled within two hundred fifty feet measured horizontally from any existing water well or developed spring used for human or domestic animal consumption. The center of well pads may not be located within six hundred twenty-five feet of an occupied dwelling structure, or a building two thousand five hundred square feet or larger used to house or shelter dairy cattle or poultry husbandry. This limitation is applicable to those wells, developed springs, dwellings or agricultural buildings that existed on the date a notice to the surface owner of planned entry for surveying or staking as provided in section ten of this article or a notice of intent to drill a horizontal well as provided in subsection (b), section sixteen of this article was provided, whichever occurs first, and to any dwelling under construction prior to that date. This limitation may be waived by written consent of the surface owner transmitted to the department and recorded in the real property records maintained by the clerk of the county commission for the county in which such property is located. Furthermore, the well operator may be granted a variance by the secretary from these distance restrictions upon submission of a plan which identifies the sufficient measures, facilities or practices to be employed during well site construction, drilling and operations. The variance, if granted, shall include terms and conditions the department requires to ensure the safety and protection of affected persons and property. The terms and conditions may include insurance, bonding and indemnification, as well as technical requirements. (b) No well pad may be prepared or well drilled within one hundred feet measured horizontally from any perennial stream, natural or artificial lake, pond or reservoir, or a wetland, or within three hundred feet of a naturally reproducing trout stream. No well pad may be located within one thousand feet of a surface or ground water intake of a public water supply. The distance from the public water supply as identified by the department shall be measured as follows: (1) For a surface water intake on a lake or reservoir, the distance shall be measured from the boundary of the lake or reservoir. (2) For a surface water intake on a flowing stream, the distance shall be measured from a semicircular radius extending upstream of the surface water intake. (3) For a groundwater source, the distance shall be measured from the wellhead or spring. The department may, in its discretion, waive these distance restrictions upon submission of a plan identifying sufficient measures, facilities or practices to be employed during well site construction, drilling and operations to protect the waters of the state. A waiver, if granted, shall impose any permit conditions as the secretary considers necessary. (c) Notwithstanding the foregoing provisions of this section, nothing contained in this section prevents an operator from conducting the activities permitted or authorized by a Clean Water Act Section 404 permit or other approval from the United States Army Corps of Engineers within any waters of the state or within the restricted areas referenced in this section. (d) The well location restrictions set forth in this section shall not apply to any well on a multiple well pad if at least one of the wells was permitted prior to the effective date of this article. (e) The secretary shall, by December 31, 2012, report to the Legislature on the noise, light, dust and volatile organic compounds generated by the drilling of horizontal wells as they relate to the well location restrictions regarding occupied dwelling structures pursuant to this section. Upon a finding, if any, by the secretary that the well location restrictions regarding occupied dwelling structures are inadequate or otherwise require alteration to address the items

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API NO. 47-OPERATOR WELL NO. Van Wei 1221 NIH is 512H Well Pad Name: Van Wie 1221

examined in the study required by this subsection, the secretary shall have the authority to propose for promulgation legislative rules establishing guidelines and procedures regarding reasonable levels of noise, light, dust and volatile organic compounds relating to drilling horizontal wells, including reasonable means of mitigating such factors, if necessary.

Water Well Testing:

Pursuant to West Virginia Code § 22-6A-10(d), notification shall be made, with respect to surface landowners identified in subsection (b) or water purveyors identified in subdivision (5), subsection (b) of this section, of the opportunity for testing their water well. The operator shall provide an analysis to such surface landowner or water purveyor at their request.

Water Testing Laboratories:

Pursuant to West Virginia Code § 22-6A-10(i), persons entitled to notice pursuant to subsection (b) of this section may contact the department to ascertain the names and locations of water testing laboratories in the subject area capable and qualified to test water supplies in accordance with standard accepted methods. In compiling that list of names the department shall consult with the state Bureau for Public Health and local health departments. A surface owner and water purveyor has an independent right to sample and analyze any water supply at his or her own expense. The laboratory utilized by the operator shall be approved by the agency as being certified and capable of performing sample analyzes in accordance with this section.

Rebuttable Presumption for Contamination or Deprivation of a Fresh Water Source or Supply:

W. Va. Code § 22-6A-18 requires that (b) unless rebutted by one of the defenses established in subsection (c) of this section, in any action for contamination or deprivation of a fresh water source or supply within one thousand five hundred feet of the center of the well pad for horizontal well, there is a rebuttable presumption that the drilling and the oil or gas well or either was the proximate cause of the contamination or deprivation of the fresh water source or supply. (c) In order to rebut the presumption of liability established in subsection (b) of this section, the operator must prove by a preponderance of the evidence one of the following defenses: (1) The pollution existed prior to the drilling or alteration activity as determined by a predrilling or prealteration water well test. (2) The landowner or water purveyor refused to allow the operator access to the property to conduct a predrilling or prealteration water well test. (3) The water supply is not within one thousand five hundred feet of the well. (4) The pollution occurred more than six months after completion of drilling or alteration activities. (5) The pollution occurred as the result of some cause other than the drilling or alteration activity. (d) Any operator electing to preserve its defenses under subdivision (1), subsection (c) of this section shall retain the services of an independent certified laboratory to conduct the predrilling or prealteration water well test. A copy of the results of the test shall be submitted to the department and the surface owner or water purveyor in a manner prescribed by the secretary. (e) Any operator shall replace the water supply of an owner of interest in real property who obtains all or part of that owner's supply of water for domestic, agricultural, industrial or other legitimate use from an underground or surface source with a comparable water supply where the secretary determines that the water supply has been affected by contamination, diminution or interruption proximately caused by the oil or gas operation, unless waived in writing by that owner. (f) The secretary may order the operator conducting the oil or gas operation to: (1) Provide an emergency drinking water supply within twenty-four hours; (2) Provide temporary water supply within seventy-two hours; (3) Within thirty days begin activities to establish a permanent water supply or submit a proposal to the secretary outlining the measures and timetables to be used in establishing a permanent supply. The total time in providing a permanent water supply may not exceed two years. If the operator demonstrates that providing a permanent replacement water supply cannot be completed within two years, the secretary may extend the time frame on case-by-case basis; and (4) Pay all reasonable costs incurred by the real property owner in securing a water supply. (g) A person as described in subsection (b) of this section aggrieved under the provisions of subsections (b), (e) or (f) of this section may seek relief in court ... (i) Notwithstanding the denial of the operator of responsibility for the damage to the real property owner's water supply or the status of any appeal on determination of liability for the damage to the real property owner's water supply, the operator may not discontinue providing the required water service until authorized to do so by the secretary or a court of competent jurisdiction.

Written Comment:

Pursuant to West Virginia Code § 22-6A-11(a), all persons described in subsection (b), section ten of this article may file written comments with the secretary as to the location or construction of the applicant's proposed well work within thirty days after the application is filed with the secretary. All persons described in West Virginia Code § 22-6A-10(b) may file written comments as to the location or construction of the applicant's proposed well work to the Secretary at:

Chief, Office of Oil and Gas Department of Environmental Protection 601 57th St. SE Charleston, WV 25304 (304) 926-0450

Such persons may request, at the time of submitting written comments, notice of the permit decision and a list of persons qualified to test water. NOTE: YOU ARE NOT REQUIRED TO FILE ANY COMMENT.

11/08/2024

API NO. 47-OPERATOR WELL NO. Ven WE 1221 NIH & 51291 Well Pad Name: Van Wie 1221

11/08/2024

Time Limits and Methods for Filing Comments.

The law requires these materials to be served on or before the date the operator files its Application. You have THIRTY (30) DAYS after the filing date to file your comments. Comments must be filed in person or received in the mail by the Chief's office by the time stated above. You may call the Chief's office to be sure of the date. Check with your postmaster to ensure adequate delivery time or to arrange special expedited handling. If you have been contacted by the well operator and you have signed a "voluntary statement of no objection" to the planned work described in these materials, then the permit may be issued at any time.

Pursuant to West Virginia Code § 22-6A-11(c)(2), Any objections of the affected coal operators and coal seam owners and lessees shall be addressed through the processes and procedures that exist under sections fifteen, seventeen and forty, article six of this chapter, as applicable and as incorporated into this article by section five of this article. The written comments filed by the parties entitled to notice under subdivisions (1), (2), (4), (5) and (6), subsection (b), section ten of this article shall be considered by the secretary in the permit issuance process, but the parties are not entitled to participate in the processes and proceedings that exist under sections fifteen, seventeen or forty, article six of this chapter, as applicable and as incorporated into this article by section five of this article.

Comment Requirements

Your comments must be in writing and include your name, address and telephone number, the well operator's name and well number and the approximate location of the proposed well site including district and county from the application. You may add other documents, such as sketches, maps or photographs to support your comments.

Disclaimer: All comments received will be placed on our web site http://www.dep.wv.gov/oil-and-gas/Horizontal-

<u>Permits/Pages/default.aspx</u> and the applicant will automatically be forwarded an email notice that such comments have been submitted. The applicant will be expected to provide a response to comments submitted by any surface owner, water purveyor or natural gas storage operator noticed within the application.

Permit Denial or Condition

The Chief has the power to deny or condition a well work permit. Pursuant to West Virginia Code § 22-6A-8(d), the permit may not be issued or be conditioned, including conditions with respect to the location of the well and access roads prior to issuance if the director determines that:

- (1) The proposed well work will constitute a hazard to the safety of persons;
- (2) The plan for soil erosion and sediment control is not adequate or effective;
- (3) Damage would occur to publicly owned lands or resources; or
- (4) The proposed well work fails to protect fresh water sources or supplies.

A permit may also be denied under West Virginia Code § 22-6A-7(k), the secretary shall deny the issuance of a permit if the secretary determines that the applicant has committed a substantial violation of a previously issued permit for a horizontal well, including the applicable erosion and sediment control plan associated with the previously issued permit, or a substantial violation of one or more of the rules promulgated under this article, and in each instance has failed to abate or seek review of the violation within the time prescribed by the secretary pursuant to the provisions of subdivisions (1) and (2), subsection (a), section five of this article and the rules promulgated hereunder, which time may not be unreasonable.

Pursuant to West Virginia Code § 22-6A-10(g), any person entitled to submit written comments to the secretary pursuant to subsection (a), section eleven of this article, shall also be entitled to receive from the secretary a copy of the permit as issued or a copy of the order modifying or denying the permit if the person requests receipt of them as a part of the written comments submitted concerning the permit application. Such persons may request, at the time of submitting written comments, notice of the permit decision and a list of persons qualified to test water.

WW-6A (8-13)

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To' Gas

11/08/2024

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API'NO. 47-OPERATOR WELL NO. Van Wie 1221 NIH to S12H Well Pad-Name: Van Wie 1221

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Notice is hereby given by: Well Operator: HG Energy II Appalachia, LLC

Telephone:	304-420-1119
Email:	dwhite@hgenergyllc.com
	PHOR

Address: 52	S: 5260 Dupont Road		
P	arkersburg, WV 26101		
Facsimile:	304-863-3172		-

Oil and Gas Privacy Notice:

The Office of Oil and Gas processes your personal information, such as name, address and telephone number, as part of our regulatory duties. Your personal information may be disclosed to other State agencies or third parties in the normal course of business or as needed to comply with statutory or regulatory requirements, including Freedom of Information Act requests. Our office will appropriately secure your personal information. If you have any questions about our use or your personal information, please contact DEP's Chief Privacy Officer at <u>depprivacyofficer@wv.gov</u>.

Diane White

ALL'S	OFFICIAL SEAL NOTARY PUBLIC	St
iDias	STATE OF WEST VIRGINIA	
i Franz	5260 Dunpont Rd	
	Parkersburg, WV 25101 My Commission Expires July 31, 2027	
imm	,	

Subscribed and sworn before me this day of	,2023
Landy Roadon	Notary Public
My Commission Expires 7 31 2027	

WW-6A3 (1/12)

04105766

STATE OF WEST VIRGINIA DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS NOTICE OF ENTRY FOR PLAT SURVEY

Notice Time Requirement: Notice shall be provided at least SEVEN (7) days but no more than FORTY-FIVE (45) days prior to entry

Date of Planned Entry: January 12, 2024 Date of Notice: January 5, 2024

Delivery method pursuant to West Virginia Code § 22-6A-10a

	PERSONAL	REGISTERED	METHOD OF DELIVERY THAT REQUIRES A
-	TERCOUTE		RECEIPT OR SIGNATURE CONFIRMATION
	SERVICE	MAIL .	RECEIPT OR SIGNATURE CONFIRMATION

Pursuant to West Virginia Code § 22-6A-10(a), Prior to filing a permit application, the operator shall provide notice of planned entry on to the surface tract to conduct any plat surveys required pursuant to this article. Such notice shall be provided at least seven days but no more than forty-five days prior to such entry to: (1) The surface owner of such tract; (2) to any owner or lessee of coal seams beneath such tract that has filed a declaration pursuant to section thirty-six, article six, chapter twenty-two of this code; and (3) any owner of minerals underlying such tract in the county tax records. The notice shall include a statement that copies of the state Brosion and Sediment Control Manual and the statutes and rules related to oil and gas exploration and production may be obtained from the Secretary, which statement shall include contact information, including the address for a web page on the Secretary's web site, to enable the surface owner to obtain copies from the secretary. 11 Appalachia LLC as they

	* Notice was not sent to HG Energy in Apparent	
Notice is hereby provided to:	are the Operator of Record	
	are the Operator	ā

SUR	FACE OWNER(s)	COAL OWNER OR LESSEE	
Name:	Anthony and Dawn Van Wie	Name: N/A	
Address:	2700 Jones Road	Address:	
+1×10/10/	Dunkirk, MD 20754		
Name:	HG Energy II Appalachia, LLC		
Address:	5260 Dupont Road	MINERAL OWNER(s)	
	Parkersburg, WV 26101	Name: Same as Surface Owners	
Name:		Address:	
Address:			
		*please attach additional forms if necessary	

Notice is hereby given:

Pursuant to West Virginia Code § 22-6A-10(a), notice is hereby given that the undersigned well operator is planning entry to conduct t of land as follows.

Contraction of the second second second	West Virginia	Approx. Latitude & Longitude:	39.094644 / 60.668480
State:		Public Road Access:	CR11/3 via Straight Run Road
County: District:	Lewis Froemans Creek	Watershed:	Fink Creek
and the second state	Vadis	Generally used farm name:	Van Wie
Quadrangle:	Vauis	- Contraction of the second se	

Copies of the state Erosion and Sediment Control Manual and the statutes and rules related to oil and gas exploration and production may be obtained from the Secretary, at the WV Department of Environmental Protection headquarters, located at 601 57th Street, SE, Charleston, WV 25304 (304-926-0450). Copies of such documents or additional information related to horizontal drilling may be obtained from the Secretary by visiting www.dep.wv.gov/oil-and-gas/pages/default.aspx.

Motion is barehy given hy

Well Operator:		1.	Address:	5260 Dupont Rad	
Telephone:	304-420-1119			Parkersburg, WV 26101	
Email:	dwhite@hgenergyilc.com	Diane White	Facsimile:	304-863-2752	

Oil and Gas Privacy Notice:

The Office of Oil and Gas processes your personal information, such as name, address and telephone number, as part of our regulatory duties. Your personal information may be disclosed to other State agencies or third parties in the normal course of business or as needed to comply with statutory or regulatory requirements, including Freedom of Information Act requests. Our office will appropriately secure your personal information. If you have any questions about our use or your personal information, please contact DEP's Chief Privacy Officer at depprivacyofficer@wv.gov.

11/08/2024

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Operator Well No. Van Wie 1221 N1H to 512H 4704105766

STATE OF WEST VIRGINIA

DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS NOTICE OF INTENT TO DRILL

Pursuant to W. Va. Code § 22-6A-16(b), the Notice of Intent to Drill is only required if the notice requirements of W. Va. Code § 22-6A-10(a) have NOT been met or if the Notice of Intent to Drill requirement has NOT been waived in writing by the surface owner.

 Notice Time Requirement: Notice shall be provided at least TEN (10) days prior to filing a permit application.

 Date of Notice:
 01/05/2024

 Date Permit Application Filed:
 01/15/2024

Delivery method pursuant to West Virginia Code § 22-6A-16(b)

HAND CERTIFIED MAIL DELIVERY RETURN RECEIPT REQUESTED

Pursuant to W. Va. Code § 22-6A-16(b), at least ten days prior to filing a permit application, an operator shall, by certified mail return receipt requested or hand delivery, give the surface owner notice of its intent to enter upon the surface owner's land for the purpose of drilling a horizontal well: *Provided*, That notice given pursuant to subsection (a), section ten of this article satisfies the requirements of this subsection as of the date the notice was provided to the surface owner: *Provided*, *however*, That the notice requirements of this subsection may be waived in writing by the surface owner. The notice, if required, shall include the name, address, telephone number, and if available, facsimile number and electronic mail address of the operator and the operator's authorized representative.

Notice is hereby provided to the SURFACE OWNER(s):

Name:	HG Energy II Appalachia, LLC *	Name:	Anthony and Dawn Van Wie	
Address:	5260 Dupont Road	Address:	2700 Jones Road	
	Parkersburg, WV 26101		Dunkirk, MD 20754	

Notice is hereby given:

Pursuant to West Virginia Code § 22-6A-16(b), notice is hereby given that the undersigned well operator has an intent to enter upon the surface owner's land for the purpose of drilling a horizontal well on the tract of land as follows:

State:	West Virginia	— UTM NAD 83	Easting:	528668.6
County:	Lewis	UTMINAD 83	Northing:	4327353.9
District:	Freemans Creek	Public Road Access: Generally used farm name:		CR11 / 3 via Straight Run Road
Quadrangle:	Vadis WV 7.5'			Van Wie
Watershed:	Fink Creek			

This Notice Shall Include:

Pursuant to West Virginia Code § 22-6A-16(b), this notice shall include the name, address, telephone number, and if available, facsimile number and electronic mail address of the operator and the operator's authorized representative. Additional information related to horizontal drilling may be obtained from the Secretary, at the WV Department of Environmental Protection headquarters, located at 601 57th Street, SE, Charleston, WV 25304 (304-926-0450) or by visiting <u>www.dep.wv.gov/oil-and-gas/pages/default.aspx</u>.

Notice is hereby given by: Well Operator: HG Energy II Appalachia, LLC		Authorized Representative:	Office of Cit and Gas Diane White	
Address:	5260 Dupont Road	Address:	5260 Dupont Road UCT 0 3 2024 Parkersburg, WV 26101	
	Parkersburg, WV 26101			
Telephone:	304-420-1119	Telephone:	304-420-1119	
Email:	dwhite@hgenergyllc.com Diane White	Email: Facsimile:	dwhite@hgenergyllc.com	
Facsimile:	304-863-3172		304-863-3172	

Oil and Gas Privacy Notice:

The Office of Oil and Gas processes your personal information, such as name, address and telephone number, as part of our regulatory duties. Your personal information may be disclosed to other State agencies or third parties in the normal course of business or as needed to comply with statutory or regulatory requirements, including Freedom of Information Act requests. Our office will appropriately secure your personal information. If you have any questions about our use or your personal information, please contact DEP's Chief Privacy Officer at <u>depprivacyofficer@wv.gov</u>.



11/08/2024

STATE OF WEST VIRGINIA

DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS NOTICE OF PLANNED OPERATION

Notice Time Requirement: notice shall be provided no later than the filing date of permit application. Date of Notice: 01/05/2024 Date Permit Application Filed: 01/12/2024

Delivery method pursuant to West Virginia Code § 22-6A-16(c)

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RETURN RECEIPT REQUESTED

HAND DELIVERY

Pursuant to W. Va. Code § 22-6A-16(c), no later than the date for filing the permit application, an operator shall, by certified mail return receipt requested or hand delivery, give the surface owner whose land will be used for the drilling of a horizontal well notice of the planned operation. The notice required by this subsection shall include: (1) A copy of this code section; (2) The information required to be provided by subsection (b), section ten of this article to a surface owner whose land will be used in conjunction with the drilling of a horizontal well; and (3) A proposed surface use and compensation agreement containing an offer of compensation for damages to the surface affected by oil and gas operations to the extent the damages are compensable under article six-b of this chapter. (d) The notices required by this section shall be given to the surface owner at the address listed in the records of the sheriff at the time of notice.

Notice is hereby provided to the SURFACE OWNER(s)

(at the address listed in the records of the sheriff at the time of notice):

Name:	HG Energy II Appalachia, LLC			Name:	Jame: Anthony and Dawn Van Wie	
Address:	5260 Dupont Road		Address:	Address:	2700 Jones Road	
	Parkersburg, WV 26101			Dunkirk, MD 20754		

Notice is hereby given:

Pursuant to West Virginia Code § 22-6A-16(c), notice is hereby given that the undersigned well operator has developed a planned operation on the surface owner's land for the purpose of drilling a horizontal well on the tract of land as follows:

State:	West Virginia	- UTM NAD 83 Easting	528668.6	
County:	Lewis	Northin	g: 4327353.9	
District: Freemans Creek		Public Road Access:	CR 11 / 3 via Straight Run Road	
Quadrangle:	Vadis WV 7.5'	Generally used farm nam	e: Van Wie	
Watershed:	Fink Creek			

This Notice Shall Include:

Pursuant to West Virginia Code § 22-6A-16(c), this notice shall include: (1)A copy of this code section; (2) The information required to be provided by **W. Va. Code** § 22-6A-10(b) to a surface owner whose land will be used in conjunction with the drilling of a horizontal well; and (3) A proposed surface use and compensation agreement containing an offer of compensation for damages to the surface affected by oil and gas operations to the extent the damages are compensable under article six-b of this chapter. Additional information related to horizontal drilling may be obtained from the Secretary, at the WV Department of Environmental Protection headquarters, located at 601 57th Street, SE, Charleston, WV 25304 (304-926-0450) or by visiting <u>www.dep.wv.gov/oil-and-gas/pages/default.aspx</u>.

Well Operator:	HG Energy II Appalachia, LLC		Address:	5260 Dupont Road	007 0 2 2024
Telephone:	304-420-1119		4.4	Parkersburg, WV 26101	A FAFX
Email:	dwhite@hgenergyllc.com Diane White		Facsimile:	304-863-3172	

Oil and Gas Privacy Notice:

The Office of Oil and Gas processes your personal information, such as name, address and telephone number, as part of our regulatory duties. Your personal information may be disclosed to other State agencies or third parties in the normal course of business or as needed to comply with statutory or regulatory requirements, including Freedom of Information Act requests. Our office will appropriately secure your personal information. If you have any questions about our use or your personal information, please contact DEP's Chief Privacy Officer at <u>depprivacyofficer@wv.gov</u>.



WEST VIRGINIA DEPARTMENT OF TRANSPORTATION

Division of Highways

Office of the District Engineer/Manager District Four

Post Office Box 4220 · Clarksburg, West Virginia 26302 · (304) 842-1500

Alanna J. Keller, P.E. Deputy Secretary of Transportation Deputy Commissioner of Highways

Jimmy Wriston, P. E. Secretary of Transportation Commissioner of Highways

December 04, 2023

James A. Martin, Chief Office of Oil and Gas Department of Environmental Protection 601 57th Street, SE Charleston, WV 25304

Subject: DOH Permit for the Van Wie 1221, Lewis County S-7H Well Site

Dear Mr. Martin,

This well site will be accessed from a DOH permit 07-2023-0352 which has been issued to HG Energy II Appalachia, LLC for access to the State Road for a well site located off Lewis County Route 11/3 SLS MP 2.941.

This operator is in compliance with §22-6A-20 of the WV Code. Operator has signed a STATEWIDE OIL AND GAS ROAD MAINTENANCE BONDING AGREEMENT and provided the required Bond. This operator is currently in compliance with the DOH OIL AND GAS POLICY dated March 6, 2023. This letter is valid for permitting purposes for one year from the date of this letter.

Very Truly Yours,

Stephen G. Johnson Director of Operations

Office of the Ges

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WV (10)

Cc: Diane White HG Energy II Appalachia, LLC CH, OM, D-7 File

E.E.O./AFFIRMATIVE ACTION EMPLOYER

HG Energy II Appalachia, LLC List of Frac Additives by Chemical Name and CAS # Van Wie 1221 Well Pad (N-1H thru S-12H)

Chemical Name	CAS #	Multiple CAS #'s	
Pro Shale Slik 405	Mixture	68551-12-2	-
		7647-14-5	1
		12125-02-9	-
		64742-47-8	-
Pro Hib II	Mixture	68412-54-4	-
		68607-28-3	1
		107-21-1	1
		111-76-2	
		67-56-1	1
		107-19-7	-
Silica Sand and Ground Sand	Mixture	14808-60-7	-
		1344-28-1	
	2	1309-37-1	
		13463-67-7	
Hydrochloric Acid 22 DEG BE	7647-01-0		-
PROGEL - 4.5	64742-96-7		-
BIO CLEAR 2000	Mixture	25322-68-3	_
		10222-01-2	-
SCALE CLEAR SI 112	107-21-1		Office RECEIVED of Dir and Gas OCT 0 3 2024
			OCTODA
PROBREAK 4	Mixture	57-50-1	MEV - 2024
	-	107-21-1 En	NAN TOWN OF A DAMAGE
Sulfamic Acid	5329-14-6		
PRO - Flow - 102-N	Mixture	67-63-0	
		68439-45-2	
		2687-96-9	0
PROGEL - 4	9000-30-0		-

WW-6A7 (6-12)

11/08/2024

OPERATOR: HG Energy II Appalachia, LLG WELL NO: Van Wie 1221 S-7H

PAD NAME: Van Wie 1221

REVIEWED BY: Diane White

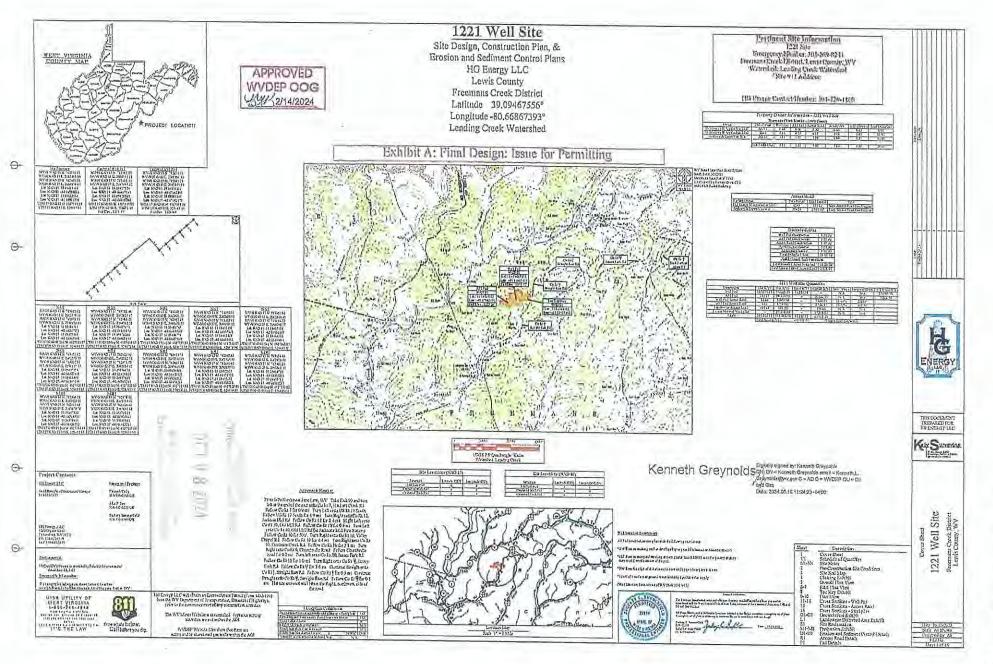
SIGNATURE: Diane White

WELL RESTRICTIONS CHECKLIST

HORIZONTAL 6A WELL

Well Restrictions

-		
	At Least 100 Feet from Pad and LOD (including any E&S Control Fe Perennial Stream, Lake, Pond, Reservoir or Wetland; OR	ature) to any
	DEP Waiver and Permit Conditions	
\checkmark	At Least 300 Feet from Pad and LOD (including any E&S Control Fe Naturally Producing Trout Stream; OR	ature) to any
-	DEP Waiver and Permit Conditions	
\checkmark	At Least 1000 Feet from Pad and LOD (including any E&S Control Fe Groundwater Intake or Public Water Supply; OR	eature) to any
	DEP Waiver and Permit Conditions	
\checkmark	At Least 250 Feet from an Existing Water Well or Developed Spring t Drilled; OR	o Well Being Received Office of Oll and Gas
	Surface Owner Waiver and Recorded with County Clerk, OR	OCT 0 3 2024
	DEP Variance and Permit Conditions	WV L)
\checkmark	At Least 625 Feet from an Occupied Dwelling Structure to Center of th	he Pad; OR
	Surface Owner Waiver and Recorded with County Clerk, OR	
	DEP Variance and Permit Conditions	
\checkmark	At Least 625 Feet from Agricultural Buildings Larger than 2500 Squar of the Pad; OR	e Feet to the Center
	Surface Owner Waiver and Recorded with County Clerk, OR	
	DEP Variance and Permit Conditions	





HG Energy, LLC 5260 Dupont Road Parkersburg, WV 26101 (304) 420-1100 - Office (304) 863-3172 - Fax

4704105766

September 29, 2024

Mr. Cragin Blevins WVDEP Division of Oil & Gas 601 57th Street Charleston, West Virginia 25304 RECEIVED Office of Oil and Gas OCT 0 3 2024 WV Department of Environmental Protection

RE: Van Wie 1221 S-7H Freemans Creek District, Lewis County West Virginia

Dear Mr. Blevins -

Enclosed are the forms, receipts and check required for expedited service for the above referenced horizontal drilling permit application. Also attached is a listing of the documents supplied.

Please let me know if you have any questions or require additional information. I can be reached at (304) 420-1119 or <u>dwhite@hgenergyllc.com</u>.

Very truly yours,

Diane White

Diane C. White

Enclosures

cc: Ken Greynolds - DEP Inspector